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CANADA
DEPARTMENT OF MINES

HON. SIR JAMES A. LOUGHEED, MINISTER; CHARLES CAMSELL, DEPUTY MINISTER

MINES BRANCH
JOHN MCLEISH, ACTING DIRECTOR

THE
PRODUCTION OF COAL AND COKE
IN
CANADA

During the Calendar Year
1920



OTTAWA
F. A. ACLAND
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1921

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EXPLANATORY NOTE.

The accompanying Report on "The Production of Coal and Coke in Canada during the Calendar Year 1920" has been compiled by Mr. John Casey, in the Division of Mineral Resources and Statistics.

This Report is supplementary to the Annual Report on the Mineral Production of Canada; but is not included in that report, as it was in 1917 and previous years.

(Signed) **John McLeish,**

Chief, Division of Mineral
Resources and Statistics.

September 7, 1921.

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COKE

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COAL

The term "production" in the text and tables of this report is used to represent the tonnage of coal actually sold or used, by the producer, as distinguished from the term "output", which is applied to the total coal extracted from the mine, and which includes, in some cases, coal lost or unsaleable or coal carried in stock on hand at the end of the year.

The production of coal during 1920 was 16,631,954 short tons (14,849,958 long tons), valued at \$80,693,723, or an average of \$4.85 per ton, as compared with a production in 1919 of 13,681,218 short tons (12,215,373 long tons), valued at \$54,413,349, or an average of \$3.98 per ton, an increase in production in 1920 of 2,950,736 tons, or 21.6 per cent.

The average number of men employed during 1920 was 29,387, and total wages paid \$49,171,238, as compared with an average of 27,198 men employed in 1919, and \$34,826,363 paid in wages.

From 1917 the values of the production for all provinces have been furnished directly by the operators. Previously, however, complete returns of values were not received from all operators, and the values placed upon the coal production in the provinces of Nova Scotia and British Columbia were partially estimated, or assumed.

In 1886 Canada's consumption of coal was 3,480,111 tons, of which 46 per cent was obtained from Canadian coal mines and 54 per cent imported, chiefly from the United States. The annual consumption per head of population was about three-quarters of a ton.

In 1920 the consumption of coal was 32,731,521 tons, in 1919 it was 28,863,017, and in 1918, 34,771,832 tons. The percentage of the total derived from Canadian mines in 1920 was 43 and the percentage imported 57. During the 33 years that have elapsed since 1886 Canada's coal consumption has increased practically tenfold in total tonnage and over 5 times in rate per head of population. But throughout this period the ratio of domestic to imported coal in the annual consumption has varied within quite narrow limits. The year of maximum proportion of contribution from Canadian sources was in 1903, when Canadian coal formed over 52 per cent of the total; the lowest proportion was in 1917, when only 37.2 per cent of the consumption originated in Canada. Throughout this period, too, exports of Canadian coal have not averaged more than 10 per cent of the quantity imported.

During the past few years the actual coal shortage in central Canada, due to conditions created by the war, and the threats of serious and dire consequences that might readily ensue, were that shortage to become acute, have served to draw public attention very strongly to a situation which the public records have shown to exist for many years. The fuel shortage has not only resulted in the imposition of abnormally high and possibly unjustifiable prices but has actually restricted in many instances industrial activity.

There is no actual shortage of coal resources in either the United States or in Canada, at least in so far as bituminous coal is concerned, so that the problem involved relates primarily to questions of production and distribution.

The Canadian coal-fields are situated in the extreme east and in the western provinces, while the great central provinces of Ontario and Quebec, the chief centres of population, are more easily and, presumably, more economically supplied with coal from the nearer coalfields of Pennsylvania and Ohio. Further, there is no anthracite coal in eastern Canada, which has grown dependent upon the anthracite output of Pennsylvania for that most desirable of the domestic fuels, since anthracite is not only the chief domestic or house fuel in Ontario and Quebec, but is imported even into Nova Scotia coal districts, and has been largely used also in Manitoba and Saskatchewan.

In round numbers, Canada produced during 1920 about 16.7 million tons of coal, of which 2.6 million tons were exported; and imported 13.9 million tons of bituminous coal and 4.9 million tons of anthracite. During the previous year, 1919, we produced, in round numbers, 13.5 million tons of coal, exported 2 million tons, and imported 12.3 million tons of bituminous coal and 5 million tons of anthracite.

Production of Coal by Provinces, 1920

Province	No. of active operators	Average No. of men employed	Wages paid	Production of coal			Per cent of total quantity
				Short tons	Value	Average per ton	
			\$		\$	\$	
Nova Scotia	28	12,241	17,282,725	6,429,291	32,238,129	5.02	38.66
New Brunswick	14	476	584,344	166,048	1,055,286	6.36	1.00
Saskatchewan	63	453	582,964	343,475	819,320	2.38	2.06
Alberta	250	10,054	19,667,521	6,833,590	29,849,608	4.37	41.09
British Columbia	13	6,156	11,049,071	2,858,877	16,726,950	5.85	17.19
Yukon Territory	1	7	4,613	763	4,430	6.00
Total	369	29,387	49,171,238	16,631,954	80,693,723	4.85	100.00

Production of Coal by Provinces, 1919

Province	No. of active operators	Average No. of men employed	Wages paid	Production of coal			Per cent of total quantity
				Short tons	Value	Average per ton	
			\$		\$	\$	
Nova Scotia	24	10,978	13,970,119	5,720,373	22,078,726	3.859	41.81
New Brunswick	12	565	503,268	179,108	794,761	4.422	1.31
Saskatchewan	64	487	467,436	380,169	820,522	2.158	2.78
Alberta	255	9,343	11,414,755	4,964,535	18,294,495	3.685	36.29
British Columbia	14	5,813	8,465,255	2,435,933	12,420,445	5.098	17.80
Yukon Territory	1	12	5,500	1,100	4,400	4.000	0.01
Total	370	27,198	34,826,363	13,681,218	54,413,349	3.977	100.00

Comparison of Production, 1920 with 1919

Province	(+) Increase, or (—) Decrease			
	Quantity		Value	
	Short tons	%	\$	%
Nova Scotia	+ 708,918	12.4	+10,159,403	46.0
New Brunswick	+ 13,060	7.3	+ 260,525	32.8
Saskatchewan	— 36,694	9.7	— 1,202	0.1
Alberta	+ 1,868,965	37.6	+11,555,113	63.2
British Columbia	+ 422,944	17.4	+ 4,306,505	34.7
Yukon Territory	— 337	30.6	+ 30	0.7
Total for Canada	+ 2,950,736	21.6	+26,280,374	48.3

The total production in 1920 included 115,679 tons of anthracite, or about 1 per cent of the total; 12,865,851 tons of bituminous, or 77.4 per cent of the total, and 3,610,424 tons of lignite, or 21.7 per cent of the total.

The total production in 1919 included: 111,324 tons of anthracite, or less than 1 per cent of the total; 10,642,902 tons of bituminous, or 77.8 per cent of the total, and 2,926,992 tons of lignite, or 21.4 per cent of the total.

The consumption of coal during the year included approximately 5,036,992 tons of anthracite, 24,084,105 tons of bituminous, and 3,610,424 tons of lignite.

The consumption of coal during 1919 included: approximately 5,063,999 tons of anthracite, 20,872,026 tons of bituminous, and 2,926,992 tons of lignite.

The total output, production, and distribution of coal mined by provinces during 1920 and 1919 is shown in the following tables:—

Production and Distribution of Coal Mined, by Provinces, 1920.

(In short tons)

	Nova Scotia	New Brunswick	Saskatchewan	Alberta	Yukon	British Columbia	Total
	<i>b</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>b</i>	<i>b</i>	
Sold in Canada.....	4,538,330	144,365	318,987	6,180,585	615	1,555,510	12,738,392
Sold for export to U.S.....	32,257	13,212		132,918		876,949	1,055,336
Sold for export to other countries.....	888,220					8,565	896,785
Total sales.....	5,458,807	157,577	318,987	6,313,503	615	2,441,024	14,690,513
Used by producers in making coke, steel, brick, etc.....	317,674	475	6,692			116,124	440,965
Used by producers for colliery consumption and by workmen.....	652,810	7,996	17,796	(a) 519,997	148	301,729	1,500,476
Total used.....	970,484	8,471	24,488	519,997	148	417,853	1,941,441
Production*.....	6,429,291	166,048	343,475	6,833,500	763	2,858,877	16,631,954
Difference in stocks.....	+1,637	-788	+79	-43,312	+100	-81,330	-123,614
Losses due to breakage or other causes.....	64,309	551	2,774	114,747		332,670	515,051
Total output.....	6,495,237	165,811	346,328	6,904,935	863	3,110,217	17,023,391

* Production is obtained by adding coal sold and coal used. *a* Includes coal used in manufacture of briquettes; *b* Bituminous; *c* Lignite; *d* Anthracite, bituminous and lignite.

Production and Distribution of Coal Mined, by Provinces, 1919

(In short tons)

	Nova Scotia	New Brunswick	Saskatchewan	Alberta	Yukon	British Columbia	Total
	<i>b</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>b</i>	<i>b</i>	
Sold in Canada.....	4,274,874	163,275	354,319	4,455,972	1,100	1,168,122	10,417,662
Sold for export to U.S.....	12,119	8,504	80	121,264		852,704	994,671
Sold for export to other countries.....	584,614						584,614
Total sales.....	4,871,607	171,779	354,399	4,577,236	1,100	2,020,826	11,996,947
Used by producers in making coke, steel, brick, etc.....	222,260		6,715	3,818		163,116	395,918
Used by producers for colliery consumption and by workmen.....	626,497	7,329	19,055	(a) 383,481		251,991	1,288,353
Total used.....	848,766	7,329	25,770	387,299		415,107	1,684,271
Production*.....	5,720,373	179,108	380,169	4,964,535	1,100	2,435,933	13,681,218
Difference in stocks.....	+41,574	-879	+45	-51,742		-23,535	-34,537
Losses due to breakage or other causes.....	42,727	209	3,903	91,475	100	295,560	433,974
Total output.....	5,804,674	178,438	384,117	5,004,268	1,200	2,707,958	14,080,655

* Production is obtained by adding coal sold and coal used. *a* Includes coal used in manufacture of briquettes; *b* Bituminous; *c* Lignite; *d* Anthracite, bituminous and lignite.

Distribution of Coal Mined during the Years 1915-16-17-18

(In short tons)

	1915	1916	1917	1918
Sold in Canada.....	9,826,712	10,701,530	10,469,468	11,209,184
Sold for export to United States.....	1,330,718	1,451,075	1,301,881	1,354,694
Other countries.....	297,343	284,513	301,060	278,309
Total sales.....	11,454,773	12,437,118	12,072,409	12,842,187
Used by producers for the manufacture of coke.....	701,975	804,814	690,573	699,104
Used by producers for colliery consumption, and by workmen.....	1,110,275	1,241,463	1,283,777	1,436,635
Production.....	13,267,023	14,483,395	14,046,759	14,977,926
Difference in stocks.....	-99,294	-53,527	-7,760	-412
Losses due to washing, breakage, or other causes.....	312,467	385,835	396,362	482,871
Total output.....	13,480,196	14,815,703	14,435,361	15,460,385

Statistics of the annual production of coal from 1881 to date are given in the following table.

The total production of coal from 1785 to 1920 was 313,790,432 tons; of this amount Nova Scotia is credited with 183,968,336 tons, or 58.62 per cent of the total; British Columbia, 65,759,618 tons, or 20.96 per cent; Alberta, 57,905,992 tons, or 18.46 per cent; Saskatchewan, 4,250,062 tons, or 1.36 per cent; New Brunswick, 1,769,496 tons, or 0.56 per cent; and the Yukon Territory, 136,928 tons, or 0.04 per cent.

Annual Production of Coal

Year	Short tons	Value	Average per ton	Year	Short tons	Value	Average per ton
		\$	\$			\$	\$
1785-1880.....	16,426,253	28,190,518	1.72	1901.....	6,486,325	12,699,243	1.96
1881.....	1,537,106	2,688,621	1.75	1902.....	7,466,681	15,210,877	2.04
1882.....	1,848,148	3,248,446	1.76	1903.....	7,960,364	15,942,833	2.00
1883.....	1,818,684	3,109,635	1.71	1904.....	8,254,595	16,592,231	2.01
1884.....	1,984,959	3,593,831	1.81	1905.....	8,667,948	17,520,263	2.02
1885.....	1,920,977	3,417,807	1.78	1906.....	9,762,601	19,732,019	2.02
1886.....	2,116,653	3,739,840	1.77	1907.....	10,511,426	24,381,842	2.32
1887.....	2,429,330	4,388,206	1.81	1908.....	10,886,311	25,194,573	2.31
1888.....	2,692,552	4,674,140	1.80	1909.....	10,501,475	24,781,236	2.36
1889.....	2,658,303	4,894,287	1.84	1910.....	12,909,152	30,909,779	2.39
1890.....	3,084,682	5,676,247	1.84	1911.....	11,523,388	26,467,646	2.34
1891.....	3,577,749	7,019,425	1.96	1912.....	14,512,829	36,019,044	2.48
1892.....	3,287,745	6,263,757	1.94	1913.....	15,012,178	37,334,940	2.49
1893.....	3,783,499	7,359,080	1.95	1914.....	13,637,329	33,471,801	2.45
1894.....	3,847,070	7,429,468	1.93	1915.....	13,267,023	32,111,182	2.42
1895.....	3,478,344	6,739,153	1.94	1916.....	14,483,395	38,817,481	2.68
1896.....	3,745,716	7,226,462	1.93	1917.....	14,046,759	43,199,831	3.08
1897.....	3,786,107	7,303,597	1.93	1918.....	14,977,926	55,192,896	3.68
1898.....	4,173,108	8,224,288	1.97	1919.....	13,681,218	54,413,349	3.97
1899.....	4,925,051	10,283,497	2.09	1920.....	16,631,934	80,693,723	4.85
1900.....	5,777,319	13,742,178	2.38				
				Grand total...	313,790,432	789,999,272	2.52

Exports of Canadian Coal

Statistics of the exports of coal according to the Trade records are given in the following tables. The exports of Canadian coal in 1920 were 2,558,174 tons, valued at \$18,014,899, or an average of \$7.04 per ton, as compared with exports in 1919 of 2,070,050 tons, valued at \$12,438,885, or an average of \$6.01 per ton. Besides Canadian coal exported there is also a small export of coal not the produce of Canada.

Annual Exports of Coal

(In short tons)

Calendar year	Produce of Canada	Not the produce of Canada	Calendar year	Produce of Canada	Not the produce of Canada
1908	1,729,833	102,071	1915	1,766,543	59,690
1909	1,588,099	161,098	1916	2,135,350	62,783
1910	2,377,049	159,850	1917	1,733,156	47,328
1911	1,500,639	133,943	1918	1,817,195	67,486
1912	2,127,133	46,706	1919	2,070,050	56,988
1913	1,562,020	66,560	1920	2,558,174	84,801
1914	1,423,126	83,137			

Imports of Coal

The total imports of coal of all classes in 1920 "entered for consumption" as per the published Trade reports, were 18,742,542 tons, valued at \$98,033,598, as compared with total imports in 1919 of 17,308,937 tons, valued at \$61,160,799.

Imports of coal into Canada are sub-divided into four classes, as follows:—anthracite, egg, grate, stove, and nut; anthracite, rice, barley and buckwheat; bituminous, round and run-of-mine; and bituminous slack, such as will pass through a three-quarter-inch screen.

The imports of anthracite in 1920 included: 4,401,516 tons of egg, grate, stove and nut, valued at \$35,317,815, or an average of \$8.02 per ton, and 479,797 tons of rice, barley and buckwheat, valued at \$1,455,536, or an average of \$3.03 per ton, as compared with imports in 1919 of 4,758,419 tons of egg, grate, stove and nut, valued at \$30,948,590, or an average of \$6.50 per ton, and 194,256 tons of rice, barley and buckwheat, valued at \$647,104, or an average of \$3.33 per ton. The total imports of bituminous coal of all classes in 1920 were: 13,861,229 tons, valued at \$61,260,247, as against imports in 1919 of 12,356,162 tons, valued at \$29,565,105. The increase in bituminous imports in 1920 as compared with 1919 was thus 1,505,067 tons, or 12.2 per cent.

The bituminous imports in 1920 included: bituminous round, and run-of-mine, 11,548,475 tons, valued at \$50,808,626, or an average of \$4.40 per ton, and bituminous slack, 2,312,754 tons, valued at \$10,451,621, or an average of \$4.52 per ton. The value of the imports during 1919 of bituminous round and run-of-mine coal averaged \$2.44 per ton, and of bituminous slack \$2.16 per ton.

The record of the exports of bituminous coal to Canada, as published in the Reports of Trade and Navigation at Washington, differs in some years considerably from the Canadian record, in partial explanation of which it should be noted that the Canadian record represents coal "entered for home consumption." This entry may be deferred several months from the actual time of import, thus causing a difference in the monthly and yearly record.

Furthermore, it is understood that the United States record includes a certain amount of coal used for bunkering lake steamers which would not be included as an import into Canada. The United States record shows exports of bituminous coal to Canada, during the twelve months ending December, 1920, of 16,220,880 short tons, as against 11,950,277 tons in 1919, 18,134,328 tons in 1918, 18,118,879 tons in 1917, 13,260,181 tons in 1916, 9,356,889 tons in 1915, 10,271,409 tons in 1914, and 15,115,733 tons in 1913.

Imports of Coal 'Entered for Consumption,' 1919 and 1920

	1919			1920		
	Tons	Value	Ave. per ton	Tons	Value	Ave. per ton
		\$	\$ cts.		\$	\$ cts.
<i>Anthracite</i>						
Egg, grate, stove and nut.	4,758,419	30,948,500	6 50	4,401,516	35,317,815	8 02
Rice, barley and buckwheat	194,256	647,104	3 33	479,797	1,455,536	3 03
	4,952,675	31,595,604	6 38	4,881,313	36,773,351	7 53
<i>Imports of Bituminous</i>						
Round and run-of-mine	10,127,965	24,750,717	2 44	11,548,475	50,808,626	4 40
Slack	2,228,197	4,814,388	2 16	2,312,754	10,451,621	4 52
	12,356,162	29,565,105	2 39	13,861,229	61,260,247	4 42
Total Imports	17,308,837	61,160,799		18,742,542	98,033,598	

Annual Imports of Coal 'Entered for Consumption'

Calendar year	Bituminous round and run of the mine (a)		Anthracite coal and anthracite dust (b)		Bituminous slack such as will pass through 4" screen (c)	
	Short tons	Value	Short tons	Value	Short tons	Value
		\$		\$		\$
1907	6,370,152	13,232,445	3,141,873	14,506,129	1,139,256	1,121,949
1908	6,025,574	12,516,748	3,160,110	14,478,536	1,111,811	1,355,677
1909	5,625,083	11,455,818	3,017,844	13,906,152	1,230,017	1,469,889
1910	5,966,466	11,919,341	3,266,235	14,735,062	1,365,281	1,795,598
1911	8,905,815	18,407,603	4,020,577	18,794,192	1,632,500	2,090,796
1912	8,491,840	16,846,727	4,184,017	20,080,388	1,919,953	2,550,922
1913	10,743,473	21,756,658	4,642,057	22,034,839	2,816,423	4,157,622
1914	7,776,415	14,954,321	4,435,010	21,241,924	2,509,632	3,605,253
1915	6,106,794	7,564,369	4,072,192	18,753,980	2,286,916	2,027,256
1916	9,504,552	12,368,670	4,570,815	22,216,363	3,505,236	3,704,624
1917	12,407,486	33,712,894	5,320,198	28,109,586	3,129,776	8,739,877
1918	13,656,360	37,291,057	4,785,160	26,007,898	3,237,067	8,351,639
1919	10,127,965	24,750,717	4,952,675	31,595,604	2,228,197	4,814,388
1920	11,548,475	50,808,626	4,881,313	36,773,351	2,312,754	10,451,621

(a) Duty, 53 cents per ton. (b) Coal, anthracite and anthracite coal dust, duty free. (c) Duty, 14 cents per ton.

The following tables show the monthly imports of bituminous and anthracite coal since 1916, as compiled from "Trade of Canada" reports-

The United States record of monthly exports to Canada is also included for comparison. These are compiled from the "Foreign Commerce of the United States" reports.

Monthly Imports of Bituminous Coal into Canada,* Entered for Consumption

In short tons.

	1915	1916	1917	1918	1919	1920
January.....	547,772	1,124,918	1,031,719	1,134,493	1,458,240	790,424
February.....	653,016	942,811	760,545	1,400,391	1,064,710	671,212
March.....	547,756	918,206	1,114,958	1,175,076	922,608	1,180,670
April.....	417,133	727,467	1,331,440	986,052	562,853	753,557
May.....	481,908	894,505	893,055	1,541,537	960,491	885,125
June.....	661,569	1,239,882	1,260,652	1,442,412	733,550	924,136
July.....	752,229	1,096,718	1,581,361	1,670,806	1,283,902	1,103,819
August.....	846,162	1,188,822	1,890,923	1,670,397	1,291,041	1,565,171
September.....	680,151	1,287,554	1,567,773	1,604,802	1,203,977	1,265,094
October.....	900,450	1,314,286	1,582,797	1,545,320	1,355,577	1,686,495
November.....	967,791	1,156,239	1,273,498	1,439,535	892,248	1,403,499
December.....	937,773	1,118,380	1,248,532	1,222,606	626,965	1,631,77
Total.....	8,393,710	13,009,788	15,537,262	16,893,427	12,356,162	13,681,229

*Compiled from the Monthly Reports on Trade of Canada, Ottawa.

Monthly Imports of Anthracite Coal into Canada,* Entered for Consumption

In short tons.

	1915	1916	1917	1918	1919	1920
January.....	270,396	295,578	300,836	279,688	399,676	335,908
February.....	213,797	340,347	277,179	246,960	347,866	296,736
March.....	175,813	381,032	436,567	424,030	170,754	439,334
April.....	361,195	194,402	318,782	362,291	209,958	260,122
May.....	477,522	372,264	347,390	465,561	461,701	329,684
June.....	415,344	513,528	551,105	401,450	431,874	473,820
July.....	341,380	513,858	559,994	382,267	534,488	561,567
August.....	346,689	429,699	605,071	461,651	592,550	591,932
September.....	338,272	433,203	533,203	479,284	563,306	379,107
October.....	415,929	385,953	570,771	511,214	443,638	421,826
November.....	370,384	383,103	413,200	364,605	379,430	419,403
December.....	345,471	327,848	346,100	406,219	417,434	371,865
Total.....	4,072,192	4,570,815	5,320,198	4,785,160	4,952,675	4,881,313

*Compiled from the Monthly Reports on Trade of Canada, Ottawa.

Monthly Exports of Bituminous Coal from the United States to Canada*

In short tons.

	1916	1917	1918	1919	1920	1921
January.....	600,616	654,350	510,022	861,023	514,072	1,318,821
February.....	605,684	646,008	647,855	500,000	606,232	704,323
March.....	611,640	884,498	951,196	395,229	716,391	662,544
April.....	740,865	1,022,171	1,273,972	562,173	940,460	789,137
May.....	1,467,229	1,569,297	1,978,799	1,218,589	802,427	1,259,156
June.....	1,476,453	2,017,989	2,019,816	1,602,430	1,337,019	
July.....	1,457,326	1,555,972	2,098,000	1,498,681	1,886,889	
August.....	1,728,697	2,715,628	2,194,009	1,498,208	2,091,047	
September.....	1,519,550	1,739,580	2,038,673	1,581,406	1,965,514	
October.....	1,196,122	2,416,800	1,859,456	1,622,438	2,234,212	
November.....	1,023,924	1,504,946	1,550,245	377,038	1,634,498	
December.....	852,076	1,391,640	1,911,595	233,062	1,492,129	
Total.....	13,260,182	18,118,879	18,134,328	11,950,277	16,220,880	

*Compiled from the Monthly Summary of Foreign Commerce of the United States, Washington, D.C.

Monthly Exports of Anthracite Coal from the United States to Canada*

In short tons

	1916	1917	1918 (a)	1919 (a)	1920 (a)	1921
January.....	288,521	327,838	270,239	412,999	342,797	324,061
February.....	324,354	285,135	254,597	241,940	305,052	326,984
March.....	337,814	408,337	445,041	131,942	470,044	344,893
April.....	237,291	656,731	381,764	319,413	389,151	412,758
May.....	495,609	480,633	476,123	446,652	310,461	486,425
June.....	567,764	677,350	424,203	531,298	573,385	
July.....	432,375	437,493	443,002	546,171	738,186	
August.....	430,379	760,253	457,177	565,845	622,302	
September.....	391,873	501,899	495,840	348,557	364,262	
October.....	374,565	535,715	510,753	485,791	467,718	
November.....	349,053	329,259	482,013	359,205	373,257	
December.....	326,776	606,663	327,056	386,850	117,134	
Total.....	4,556,374	6,007,306	4,967,808	4,976,598	5,403,749	

*Compiled from the Monthly Summary of Foreign Commerce of the United States, Washington, D.C.

(a) Total exports. Exports to Canada not separately stated, but will exceed 95 per cent of total exports.

Consumption of Coal

The total consumption of coal into Canada estimated on the basis of production, imports and exports was in 1920, 32,731,521 tons, which included 14,073,780 tons of Canadian coal and 18,657,741 tons of imported coal.

Statistics of the annual consumption are given in the following tables:

Consumption of Coal, 1916-17-18-19-20

(In short tons)

	1916	1917	1918	1919	1920
Production...	14,433,395	14,046,759	14,977,926	13,661,218	16,631,954
Exports of Canada	2,135,359	1,733,156	1,817,195	2,070,050	2,558,174
Home consumption of Canadian coal	12,348,036	12,313,603	13,160,731	11,611,168	14,073,780
Imports.....	17,580,603	20,857,460	21,678,587	17,308,837	18,742,542
Exports not produce of Canada.....	62,783	47,328	67,486	56,988	84,801
Canadian consumption of imported coal	17,517,820	20,810,132	21,611,101	17,251,849	18,657,741
Total consumption of coal in Canada...	29,865,856	33,123,735	34,771,832	28,863,017	32,731,521

Annual Consumption of Coal

In short tons

Calendar Year	Canadian		Imported		Total	Per capita
	Short tons	%	Short tons	%		
1886	1,595,950	45.9	1,884,161	54.1	3,480,111	0.758
1887	1,848,365	45.7	2,192,260	54.3	4,040,625	0.871
1888	2,013,925	37.8	3,314,353	62.2	5,328,278	1.137
1889	1,992,988	44.4	2,490,931	55.6	4,483,919	0.946
1890	2,360,196	47.8	2,581,187	52.2	4,941,383	1.031
1891	2,606,490	46.7	2,980,222	53.3	5,586,712	1.153
1892	2,464,012	44.4	3,082,429	55.6	5,546,441	1.133
1893	2,823,187	47.6	3,110,462	52.4	5,933,649	1.198
1894	2,743,376	48.5	2,917,818	51.5	5,661,194	1.130
1895	2,467,109	45.7	2,933,752	54.3	5,400,861	1.086
1896	2,639,055	45.1	3,206,456	54.9	5,845,511	1.140
1897	2,799,877	47.3	3,124,485	52.7	5,924,362	1.143
1898	3,023,079	48.0	3,274,981	52.0	6,298,060	1.200
1899	3,631,882	47.0	4,092,361	53.0	7,724,243	1.454
1900	3,989,542	47.8	4,261,563	52.2	8,251,105	1.561
1901	4,912,664	50.5	4,810,213	49.5	9,722,877	1.810
1902	5,376,413	51.0	5,165,938	49.0	10,542,351	1.927
1903	6,005,735	52.2	5,491,870	47.8	11,507,605	2.055
1904	6,697,183	49.2	6,909,651	50.8	13,606,834	2.346
1905	7,032,661	48.9	7,343,880	51.1	14,376,541	2.362
1906	9,727,560	51.7	7,398,906	48.3	15,326,466	2.425
1907	8,617,352	45.0	10,549,503	55.0	19,166,855	2.947
1908	9,156,478	47.3	10,195,424	52.7	19,351,902	2.820
1909	8,913,376	47.9	9,711,826	52.1	18,625,202	2.682
1910	10,532,103	50.2	10,438,123	49.8	20,970,226	2.060
1911	9,822,749	40.5	14,424,949	50.5	24,247,698	3.384
1912	12,385,696	46.0	14,549,104	54.0	26,934,800	3.596
1913	13,450,158	42.6	18,132,387	57.4	31,582,545	4.071
1914	12,214,403	45.5	14,637,920	54.5	26,852,323	3.325
1915	11,500,480	48.1	12,406,212	51.9	23,906,692	3.015
1916	12,348,036	41.3	17,517,820	58.7	29,865,856	3.669
1917	12,313,603	37.2	20,810,132	62.8	33,123,735	3.962
1918	13,160,731	37.8	21,611,101	62.2	34,771,832	4.047
1919	11,611,168	40.2	17,251,849	59.8	28,863,017
1920	14,073,780	43.0	18,657,741	57.0	32,731,521

In connexion with the records of consumption it may be of interest to record the very large percentage of Canadian coal consumption used by railway locomotives. During the calendar year 1920, the tonnage of coal used by locomotives amounted to 10,332,915 tons.

The quantity of coal consumed by railway locomotives in recent years, as compiled from "Railway Statistics," published by the Department of Railways and Canals, is as follows:

Annual Consumption of Coal by Railway Locomotives

In short tons.

	Anthracite	Bituminous	Total
1911 (Year ending June 30)	6,444	6,769,903	6,776,347
1912 "	5,374	7,732,938	7,738,312
1913 "	4,662	9,040,963	9,045,625
1914 "	5,271	8,268,186	8,273,457
1915 "	3,691	6,673,845	6,677,536
1916 "	4,899	8,672,455	8,677,354
1917 "	4,900	9,783,524	9,788,424
1918 "	3,283	9,836,623	9,839,906
1919 (Calendar year)	4,430	9,136,593	9,141,023
1920 "	3,143	9,329,191	9,332,334
	4,270	10,328,645	10,332,915

Nova Scotia

The production of coal in Nova Scotia in 1920 was 6,429,291 tons, as compared with a production in 1919 of 5,720,373 tons, showing an increase of 708,918 tons, or 12.4 per cent.

The total sales of coal during 1920 were 5,458,807 tons, of which 4,538,330 tons were sold for consumption in Canada, 32,257 tons for export to the United States, and 888,220 tons for export to Newfoundland and other countries.

The total quantity used by producers under colliery boilers, in coke ovens, and in steel plants was 970,484 tons, including 317,674 tons used in making coke and for other commercial purposes, and 652,810 tons used in the operation of collieries, or by workmen.

A considerable tonnage of coal reported as sold for consumption in Canada is also used in the manufacture of coke, the total coal charged to coke ovens in the province during the year being 691,374 tons.

The Dominion Coal Company has for many years been the principal operator, the total production of this firm's collieries at Cape Breton and at Springhill being 4,090,171 tons, or 63.6 per cent of the province's production, and equivalent to 24.6 per cent of the total Canadian production. The Nova Scotia Steel and Coal Company produced 677,389 tons, the Acadia Coal Company 582,739 tons, the Inverness Railway and Coal Company 221,108 tons, the Maritime Coal, Railway and Power Company 181,919 tons, the International Coal Mining Company 180,734 tons, and the Bras d'Or Coal Company, Limited, 125,967 tons.

Nova Scotia was the first province in Canada in which coal was mined and up to date has produced more coal than all the other provinces combined. The annual production reached a maximum in 1913 with a total of 7,980,073 tons. During the past few years, however, the production fell off. The 1920 production showed a substantial increase. As the war proceeded the loss of experienced miners through enlistment became heavy. The output was reduced and increasing demands for coal for local consumption and for bunkering overseas shipping soon absorbed the available coal that formerly went to the Montreal market.

For a number of years Nova Scotia mines, chiefly those of Cape Breton, had been shipping from 2,000,000 to 2,500,000 tons of coal to Montreal, and other Quebec markets, via the St. Lawrence. During the twelve months ending September, 1920, 269,585 tons of Nova Scotia coal were marketed in Quebec province, as against 386,022 tons in 1919, 150,582 tons in 1918, 339,374 tons in 1917, 1,114,337 tons in 1916, and 2,048,222 tons in 1915.

The quantity of coal marketed within the province increased from 2,467,000 tons in 1914 to 3,226,000 tons in 1917, but has fallen again to 2,739,000 tons in 1920.

The present distribution also shows a larger quantity of coal marketed in New Brunswick and in Newfoundland than before the war. The exports to the United States, which reached 596,000 tons in 1915, have fallen to 31,000 tons in 1920, whilst during the latter year 591,000 tons were shipped to European markets and 69,000 tons to Africa.

Coal Production by Companies, in Nova Scotia, 1920

In short tons

	Total sales	Per ton	Costs	Production	Stocks	Export
			Per ton	Per ton	Per ton	Per ton
Antigonish County						
Inverness Ry. and Coal Co.	182,979	29,179	7,957	221,108	119,431	295,544
Port Hood Collieries, Ltd.	56,523	1,949	1,232	61,724		61,724
St. Rose Mine (G. W. Evans)	33	79		102	22	15
Clintway Corner Mine (S. J. Dore)	1,016	45		1,064		1,064
Anglo Coal Co., Ltd. (Victoria county)	8,447	340	106	9,093	2,395	8,929
Braceville County						
Indian Cove Coal Co., Ltd.	249,998	33,785	9,295	283,078	21,848	257,412
Dominion Coal Co., Ltd.	49,894	1,337	451	51,682	51	51,793
Nova Scotia Steel and Coal Co., Ltd.	3,196,880	31,592	7,265	3,619,021	50,408	3,651,957
Rees of Or Coal Co., Ltd.	372,254	25,894	7,589	627,489	4,120	599,906
Prairieville Coal Co. and Coastal Coal Co.	123,993	28,885	1,089	125,967		126,964
	8,720	1,175	34	9,929	3,996	11,925
Braceville County						
Avonlea Coal Co., Ltd.	1,751,741	281,950	341,054	1,993,133	1,171,988	3,766,845
Milford Mining Co. and Lantz & Lang Co.	516,051	11,569	22,119	582,739	179	584,958
Greenwood Coal Co., Ltd.	51,024	5,411	909	56,644		56,644
Intercolonial Coal Mining Co., Ltd.	55,713	4,305	1,038	61,279	65	61,413
	149,420	2,421	21,973	180,734	600	180,629
Colchester County						
Valley Coal Co.	802,298	2,321	46,578	881,473	842	887,644
Maritime Coal, Ry. and Power Co., Ltd.	1,174	360		2,155		2,155
Twin Seam Coal Co., Ltd.	144,262	29,191	1,670	181,919		181,919
Yarmouth Coal Co., Ltd. (Springhill)	1,478	47	66	1,591		1,591
Mindie Coal Co., Ltd.	401,890	4,212	13,831	480,190	9,134	480,223
The Finnerman Coal Co., Ltd.	43,211	3,113	1,478	50,102		50,102
The Sterling Coal Co., Ltd.	14,659	899	650	16,199		16,199
Fundy Coal Co., Ltd.	23,399	297	413	24,320	11	24,331
Lantz & Lang Mines	4,957	245	245	5,187		5,187
Marsh Mine Coal Co., Ltd.	13,151	175	140	14,076	490	14,486
	4,190	150	60	4,400		4,400
Total	654,860	33,405	21,364	779,852	6,134	780,396
	5,458,807	517,674	161,178	6,429,297	85,769	6,495,257

Production is obtained by adding sales and coal used. For comparative results of losses are not furnished by all producers.

Coal Production by Companies, in Nova Scotia, 1919

In short tons

	Total sale	For coked consumption	Used Colliery ton	Workmen	Production	Stocks		Loss	Output
						Jan. 1	Dec. 31		
<i>Acorness Colliery</i>									
Acorness Ry. and Coal Co.	122,104		28,818	7,449	138,271	4,548	691	8	134,095
Port Hood Collieries, Ltd.	31,643		2,193	820	34,636		12		34,609
St. Rose Mines, Ltd.	204		96	92	796	58	7		342
Chimney Corner Mine, S. J. Duncan	796								796
Anglo Coal Co., Ltd.	22,919		403	461	23,783		2,298		29,021
	177,666		31,511	8,722	217,890	4,609	2,909	581	219,290
<i>Cape Breton Colliery</i>									
Indian Cove Coal Co., Ltd.	18,445		872	3,620	22,977				22,977
Dominion Coal Co., Ltd.	3,018,990	26,179	291,824	63,336	3,400,320	11,664	50,338	19,181	3,438,134
Nova Scotia Steel and Coal Co., Ltd.	341,196	193,306	32,774	23,047	560,323	945	6,657	20,766	641,081
Bras d'Or Coal Co., Ltd.	45,332		997	703	47,032	769			46,283
	3,423,983	219,485	326,467	90,746	4,000,681	13,678	56,945	39,947	4,144,495
<i>Pictou Colliery</i>									
Acadia Coal Co., Ltd.	413,800		24,270	18,199	456,269	243	179		456,305
Villford Mining Co.	20,642		1,772		23,414				23,414
Greenwood Coal Co., Ltd.	42,737		2,985	784	46,516	84	67		46,495
Intercolonial Coal Mining Co., Ltd.	174,686	2,784	22,697	7,483	207,620	584	640		207,660
Lansark Engineering Co.	18,702		1,663	203	20,628				20,628
	670,627	2,784	54,387	26,679	754,477	911	842		754,408
<i>Summerside Colliery</i>									
Central Coal Co.	1,877		210		2,087	141		31	2,104
Maritime Coal, Ry. and Power Co., Ltd.	176,135		4,555	4,696	185,296	4,270	648	1,172	182,496
Twin Seam Coal Co., Ltd.	6,031		240	200	6,471				6,471
Dominion Coal Co., Ltd., Springhill	361,966		63,212	12,280	437,458	2,948	6,134	10	440,694
Minicue Coal Co., Ltd.	36,914		1,000		38,714			989	39,300
The Emmerson Coal Co., Ltd.	8,025		300	120	8,445				8,445
The Sterling Coal Co.	6,824		212	222	7,269	84			7,189
Fundy Mining Co.	651				651				651
Royal Coal Co., Ltd.	405				405				405
Export Coal Co., Ltd.	493		212	15	729				729
	599,451		70,541	17,444	687,316	7,116	6,782	2,199	688,981
Total	4,571,007	222,269	482,906	143,591	730,373	25,944	67,518	42,727	3,804,674

Production is obtained by adding sales and other purposes. Includes also coal used by producers for steel making and other purposes. Losses are not furnished by all producers. Complete record of

Output, Sales, Colliery Consumption, and Production of Coal in Nova Scotia

Calendar Year	Output	Sold or used	Colliery consumption	Production	Price per ton of 2,240 lbs.	Value of production
	Tons of 2,000 pounds					
1785 to 1873				8,053,670	\$ 0.18	\$
1874	977,446	829,022	133,932	972,954	1 75	12,583,800
1875	874,905	791,640	139,003	960,613	1 75	1,520,240
1876	794,804	740,112	127,443	837,755	1 75	1,454,084
1877	848,096	769,313	110,702	880,215	1 75	1,308,991
1878	803,075	756,732	99,262	875,994	1 75	1,375,339
1879	882,863	771,259	94,901	866,220	1 75	1,364,741
1880	1,156,635	1,069,218	108,451	1,177,669	1 75	1,733,469
1881	1,259,183	1,159,216	120,834	1,280,050	1 75	1,840,108
1882	1,529,708	1,400,200	124,747	1,524,947	1 75	2,000,079
1883	1,503,259	1,453,226	125,383	1,578,609	1 75	2,382,730
1884	1,556,011	1,413,048	130,781	1,544,829	1 75	2,460,576
1885	1,514,470	1,405,954	142,939	1,547,990	1 75	2,412,233
1886	1,682,924	1,568,766	159,512	1,698,018	1 75	2,418,735
1887	1,871,330	1,702,946	156,550	1,858,796	1 75	2,653,152
1888	1,989,263	1,765,895	176,336	1,942,241	1 75	2,904,057
1889	1,967,032	1,741,720	177,107	1,918,827	1 75	3,034,735
1890	2,222,081	2,000,444	180,589	2,181,033	1 75	3,398,167
1891	2,290,158	2,071,938	195,981	2,267,919	1 75	3,407,864
1892	2,175,913	1,963,286	196,103	2,159,389	1 75	3,543,624
1893	2,189,807	2,214,848	230,076	2,444,924	1 75	3,374,046
1894	2,529,707	2,308,241	219,754	2,527,982	1 75	3,820,194
1895	2,549,727	2,008,270	216,875	2,225,145	1 75	3,942,970
1896	2,537,765	2,202,447	216,132	2,508,579	1 75	3,476,790
1897	2,020,835	2,290,032	203,522	2,493,554	1 75	3,919,655
1898	2,584,175	2,375,661	187,519	2,563,180	1 75	3,896,179
1899	2,009,206	2,950,067	198,755	3,148,822	1 75	4,004,970
1900	694,646	3,358,585	264,051	3,623,536	2 00	5,622,898
1901	4,279,557	3,820,462	397,606	4,158,068	2 50	8,088,250
1902	5,292,538	4,736,614	424,702	5,161,316	1 75	6,196,382
1903	5,841,429	5,413,607	539,731	5,653,338	2 00	9,216,636
1904	5,747,823	5,097,949	498,292	5,596,241	2 00	10,095,246
1905	5,821,622	5,167,476	479,107	5,646,583	2 00	9,993,288
1906	6,546,191	5,791,307	516,198	6,220,505	2 00	10,083,184
1907	6,468,563	5,804,406	489,727	6,354,133	2 25	11,108,044
1908	6,805,489	5,851,761	645,690	6,652,539	2 25	12,764,999
1909	5,718,871	5,006,912	585,177	5,652,089	2 25	13,364,643
1910	6,515,162	5,723,681	607,461	6,431,142	2 25	14,071,379
1911	7,125,551	6,368,080	646,340	7,004,420	2 25	15,412,663
1912	7,834,724	7,052,573	731,315	7,783,888	2 50	16,452,955
1913	8,135,104	7,257,006	723,067	7,980,073	2 50	16,659,308
1914	7,448,042	6,637,110	733,814	7,370,924	3 00	18,514,667
1915	7,514,749	6,818,773	644,597	7,463,370	3 00	21,095,470
1916	6,911,995	6,236,439	675,701	6,912,140	4 06	22,078,726
1917	6,345,335	5,599,489	727,602	6,327,091	5 62	32,238,129
1918	5,836,370	5,046,691	801,871	5,818,562		
1919	5,804,674	5,093,876	626,497	5,720,373		
1920	6,495,237	5,776,481	652,810	6,429,291		
				183,968,336		396,285,718

Coal Trade by Counties in Nova Scotia, Calendar Years since 1906

In short tons

Calendar Year	Cumberland		Pictou		Cape Breton		Other Counties		Total	
	Raised	Sold*	Raised	Sold*	Raised	Sold*	Raised	Sold*	Raised	Sold*
1906	650,734	586,408	769,408	657,310	4,804,407	4,221,293	312,554	259,196	6,546,101	5,704,007
1907	534,017	447,288	840,512	729,013	4,698,147	4,346,180	195,836	141,846	5,405,276	5,013,107
1908	662,157	520,648	849,802	678,025	4,840,653	4,267,346	452,877	375,742	6,405,489	5,265,255
1909	491,919	401,571	748,890	599,743	4,981,733	4,774,135	198,759	146,699	5,710,271	5,069,942
1910	590,863	488,766	711,846	598,678	5,035,800	4,571,347	414,182	374,950	6,515,162	5,823,684
1911	528,296	436,125	813,956	691,852	5,405,355	4,917,902	347,944	312,201	6,125,551	5,466,059
1912	716,944	605,178	769,678	641,890	6,469,296	5,340,765	312,944	264,780	7,125,551	5,912,400
1913	675,544	557,845	807,177	694,659	6,313,279	5,709,995	329,108	298,597	7,045,044	6,220,000
1914	702,496	572,765	881,756	771,063	5,767,366	5,266,733	296,624	226,449	7,448,042	6,617,107
1915	736,794	629,667	581,236	508,145	5,949,670	486,282	275,049	206,560	7,401,709	6,288,577
1916	685,517	565,914	612,611	528,480	5,617,766	4,874,783	296,111	254,230	6,401,695	5,337,407
1917	711,164	603,832	725,992	635,523	4,680,680	4,176,581	247,529	183,752	6,145,035	5,599,489
1918	722,139	604,813	584,721	506,045	4,294,842	3,716,079	244,678	189,742	5,846,520	5,095,150
1919	688,981	599,451	754,408	673,411	4,114,495	3,643,498	216,790	177,696	5,804,674	5,083,877
1920	779,555	677,987	883,644	804,529	4,553,845	4,033,691	278,193	250,274	6,495,277	5,776,48

*Sales include coal used for making coke and steel

Distribution of Coal Sold by Nova Scotia Producers

Markets	Fiscal year ending September 30									
	1915		1916		1917		1918		1919	
	Short tons	Per cent	Short tons	Per cent	Short tons	Per cent	Short tons	Per cent	Short tons	Per cent
Nova Scotia										
Transported by land	1 1976 943	39.65	2 073 806	40.23	2 707 719	47.01	2 579 188	49.91	2 299 147	46.97
sea	1 392 340	6.08	491 791	7.40	548 763	9.01	540 846	9.89	515 467	10.00
Total Nova Scotia	1 2 369 283	46.73	1 165 457	47.63	3 226 482	56.02	3 090 034	59.80	2 814 614	56.97
New Brunswick	1 675 693	10.48	865 258	13.02	994 741	17.47	988 541	19.13	846 532	16.97
Prince Edward Island	1 93 171	1.45	92 576	1.40	115 748	2.01	87 451	1.69	87 865	1.76
Quebec	1 2 048 222	31.76	1 114 337	16.77	149 371	3.89	130 383	2.92	186 022	3.71
Newfoundland	1 233 735	3.63	281 239	4.25	264 914	4.60	245 487	4.75	394 897	6.10
United States	1 396 606	9.25	509 773	7.67	383 152	6.65	301 470	5.83	84 990	1.70
St. Pierre	1 11 729	0.18	6 485	0.10	6 708	0.11	6 043	0.12	16 117	0.32
Bunker coal	1 683 273	5.94	604 601	9.10	428 926	7.45	289 451	5.60	175 642	3.51
For time chartered boats	1 18 958	0.29								
Loss at sea	1 9 427	0.15	392	0.08	345		8 283	0.16	6 429	0.13
Other countries	1 8 749	0.14	5 538						72 148	1.44
Total	1 6 448 856	100.00	6 645 756	100.00	5 760 243	100.00	5 167 103	100.00	4 994 806	100.00
									5 698 275	100.00

1 391,455 tons to Europe, 68 774 to Africa, 2817 to West Indies, 458 to Ontario

Number and Class of Workmen in the Coal Mines of Nova Scotia, Year ended September 30, 1920

Average Daily Force										787
Days pit worked	Surface	Under-ground	Cutting coal	Total colliery men	Total colliery days	Transportation, commercial upkeep repairs	Total workmen	Total horses		
DeLoraine Coal Co.	938	3,319	907	5,164	1,571,283	2,240	7,404	450		
Nova Scotia Steel & Coal Co.	300	662	540	1,502	466,992	129	1,631	129		
Brasfield Coal Co.	42	54	105	201	46,224	8	209			
Indian Cove Coal Company	14	11	39	64	20,036		64	3		
Anglo Coal Company	18	8	22	48	11,400		48			
Pawnucuss Railway & Coal Co.	120	265	185	570	167,580	160	720	42		
Pearl Harbors Collieries, Ltd.	19	56	58	133	38,304	8	141	5		
A. W. Chisholm Collieries, Ltd.	2	5	4	11	1,564	1	12	2		
S. E. Ross Mine, L. L. Thorne, Trustees	17	4	3	24	712					
Avonlea Coal Co., Ltd.	227	518	596	1,341	409,005	117	1,458	70		
Intercontinental Coal Mining Co.	135	158	158	151	138,264	22	473	28		
Greenwood Coal Company	31	34	61	126	40,283	8	134			
Minford Mining Co.	11	12	30	55	15,900		56			
Canadian Railway & Coal Co.	21	34	227	781	230,591	12	779	48		
Maritime Coal, Railway & Power Co.	103	182	185	470	139,052	10	480			
Minashee Coal Co.	22	39	51	112	33,342	5	117	5		
Provincial Mining Co.	7	5	2	14	3,577	1	15	1		
Imperial Coal Co.	10	9	27	46	10,892	2	43	2		
Imperial Coal Co.	15	10	20	45	8,884	5	50			
Sherwood & Swanson (Fundy Mine)	100	10	10	32	3,200	3	35			
Leander McAloney (Marsh Mine)	80	1	6	17	1,385	6	23			
Sherling Coal Co.	208	10	30	55	11,433	1	66	1		
Boston Coal Co.	102	6	3	14	1,431	1	15			
Newtown Coal Co. (Riverside C. & Ry. Co.)	40	5	7	12	682	4	13			
Archie Coal Co.	140	2	3	7	978	2	9			
	2,285	5,733	3,282	11,300	3,375,954	2,744	14,020			

New Brunswick

The production of coal in New Brunswick in 1920 was 166,048 tons as against 179,108 tons in 1919, showing a decrease of 13,060 tons, or 7.3 per cent.

Through the courtesy of the operators the department is permitted to publish a record of the production from individual properties, as shown in the accompanying tables:

Production of Coal in New Brunswick, 1920

In short tons.

	Time in operation	Total sales	*Total for colliery use	Total production
Avon Coal Co., Ltd., Newcastle Creek.....	299 days.	20,916	988	21,904
Grand Lake Coal Co., Ltd., Minto.....	Last 3 mos.	1,415		1,415
Kelly Coal Co., Ltd., Minto.....	Last 5 mos.	1,630	225	1,855
^b Miramichi Lumber Co. (3).....	12 mos.	28,157	1,080	29,237
Minto Coal Co., Ltd., Minto.....	313 days.	35,496	2,412	37,898
Ridge Coal Co., Ltd., Newcastle Bridge.....	309 days.	9,232	2,419	11,651
Rothwell Coal Co., Ltd., Rothwell.....	284 days.	11,253	460	11,713
Reade Construction Co., Ltd., Minto.....	179 days.	22,086	800	22,886
Welton, Harvey, Minto.....	249 days.	23,937		23,937
^a Welton & Henderson, Ltd., Minto (2).....		3,465	87	3,552
Total New Brunswick.....		157,577	8,471	166,048

^a Formerly J. Coakley (1) and John Henderson (1). ^b Formerly G. H. King (1), A. D. Taylor (1), and Northfield Coal Co. (1).

Production of Coal in New Brunswick, 1919

In short tons.

	Time in operation	Total sales	*Total for colliery use	Total production
Avon Coal Co., Ltd., Newcastle Creek.....	10 mos.	16,143	1,143	17,286
Coakley, Jer., Minto.....	5 mos.	612		612
Grand Lake Coal Co., Ltd., Minto.....	26 days.	744		744
King, G. H., Chipman.....		9,688	263	9,951
Minto Coal Co., Ltd., Minto.....	290 days.	91,299	2,518	93,817
Northfield Coal Co., Ltd., Minto.....	4 mos.	1,261		1,261
Ridge Coal Co., Ltd., Newcastle Bridge.....	304 days.	5,392	408	5,800
Rothwell Coal Co., Ltd., Rothwell.....	8 mos.	6,255	682	6,937
Sheffield Coal Co., Ltd., Minto.....		15,266	1,550	16,816
Taylor, A. D., Minto.....	233 days.	9,453	560	10,013
Welton Harvey, Minto.....	12 mos.	14,001		14,001
All others.....		1,665	205	1,870
Total New Brunswick.....		171,779	7,329	179,108

*Includes consumption under boilers, etc., and coal used by workmen.

Annual Production of Coal in New Brunswick

Calendar Year	Short tons	Value	Average per ton	Calendar Year	Short tons	Value	Average per ton
		\$	\$ cts			\$	\$ cts
1887	10,040	23,607	2 35	1904	9,112	18,224	2 00
1888	5,730	11,050	1 93	1905	29,400	58,800	2 00
1889	5,673	11,733	2 07	1906	34,076	68,152	2 00
1890	7,110	13,850	1 95	1907	34,544	77,814	2 25
1891	5,422	11,030	2 03	1908	60,000	135,000	2 25
1892	6,768	9,375	1 39	1909	49,029	98,496	2 25
1893	6,200	9,837	1 59	1910	55,455	110,910	2 00
1894	6,469	10,264	1 59	1911	55,781	111,562	2 00
1895	9,500	14,250	1 50	1912	44,780	89,560	2 00
1896	7,500	11,250	1 50	1913	70,311	166,637	2 37
1897	6,000	9,000	1 50	1914	98,049	241,075	2 46
1898	6,160	9,240	1 50	1915	127,391	309,612	2 43
1899	10,528	15,792	1 50	1916	143,540	386,016	2 69
1900	10,000	15,000	1 50	1917	189,095	708,010	3 74
1901	17,639	51,857	2 94	1918	268,212	1,331,710	4 97
1902	18,795	39,680	2 11	1919	179,108	794,761	4 42
1903	16,000	40,000	2 50	1920	166,048	1,055,286	6 36
Total					1,760,496	6,068,440	

The coal producing areas include the Grand Lake coal-fields in Queens and Sunbury counties, and the Beersville area in Kent county. In the Grand Lake area the coal seams, which vary in thickness from 20 to 32 inches, are found at a depth of from 30 to 60 feet below the surface.

Saskatchewan

The coal deposits of Saskatchewan furnish coal of the lignite variety only, and the production in 1920 from 63 collieries was 343,475 tons, valued at \$819,320, as compared with 380,169 tons, valued at \$820,522 in 1919, a decrease of 36,694 tons, or 9.7 per cent.

The 1920 production included 318,987 tons of coal sold and 24,488 tons used by producers for colliery consumption, by workmen, or in brickmaking.

The output of coal comes chiefly from the vicinity of Estevan, located on the Souris river, near the southeastern corner of the province. Coal deposits exist for 75 or 100 miles in a northwest-southeast direction along the Souris river, on Big Muddy creek, draining Willowbunch lake and on the south branch of the Saskatchewan river, about 100 miles southwest of Saskatoon.

The annual production and the production by principal operators in 1919 and 1920 is shown in the following tables:

Production of Coal in Saskatchewan in 1920, by Principal Operators

In short tons

Name of Company	Labour		Time in operation	Total sales	Total for colliery use*	Total production	Waste
	Above	Below					
Anderson, Nels., Estevan	8	5	5 mos.	1,738		1,738	318
Bechtel Commercial Co., Ltd., Blandford	13	34	292 days	40,324	840	41,164	
Bechtel Mine, Ltd., Blandford	7	44	266 "	62,962	2,480	65,442	
Consolidated Collieries, Ltd.	1	18	280 "	33,818	1,165	34,983	
Edwards Bros., Colliery	1	2	9 mos.	1,565		1,565	
Estevan Coal & Brick Co., Ltd., Estevan	2	5	275 days	1,277	5,393	6,670	
Esquivel, John A., Hart	1			1,734		1,734	
Empire, Wm., Shaunavon	1	3	12 mos.	2,793		2,793	
McNeil & Rocks, Estevan, abandoned June, 1920		4	4 "	746		746	
Manitoba & Saskatchewan Coal Co., Ltd., Estevan	24	52	8 "	41,983	4,775	46,758	374
Moss, Chas., Longough	1	3	6 "	373	38	411	1,000
Nicholson, H., Estevan	4	3	6 "	3,308	331	3,639	357
Parkinson, Geo., Estevan		4	12 "	3,498	41	3,539	
Schultz, Jas.				1,990		1,990	No record.
S and Coal Brick & Power Co., Ltd., Shand	8	19	197 days	13,375	(a) 4,122	17,497	
Siddall, Edwin	1	1	114 "	896		896	
Western Collieries Ltd., Roche Ponds, New	4	10	Dev.	2,195		2,195	
Western Dominion Collieries, Ltd., Tylerton	42	71	230 days	85,930	5,229	91,159	
Handlton, H. A., Riverside Mine, Tylerton	1	3	6 mos.	1,033		1,033	
All other operators, 44.	14	53		16,823	74	16,897	746
Total Saskatchewan	127	326		318,987	24,488	343,475	2,774

*Includes consumption under boilers, etc., and coal use by workmen. (a) also includes coal for brick-making. (b) Development.

Production of Coal in Saskatchewan in 1919, by Principal Operators

(In short tons)

Name of Company	Time in operation	Total sales	Total for colliery use ¹	Total production
Anderson, Niels, Estevan.....	138 days	1,615		1,615
Bienfait Commercial Co., Ltd., Bienfait.....	12 mos.	40,079	1,661	41,740
Bienfait Mine (The) Bienfait.....	12 mos.	65,992	2,487	68,479
Rescort Collieries, Ltd.....	7 mos.	11,944	630	12,574
Eidsness Bros., Gladmar.....		1,812		1,812
Estevan Coal and Brick Co., Ltd., Estevan.....	283 days	10,450	152	10,602
Heuvel, Henry V., Hart.....	5 mos.	1,168		1,168
Inter-Provincial Coal Co., Ltd., Roche Perceé.....	7 mos.	2,315	36	2,351
Dempsey, Wm., Shaunavon.....	2 mos.	3,180		3,180
McNeil & Brooks, Estevan.....	12 mos.	1,456		1,456
Manitoba and Saskatchewan Coal Co., Ltd., Estevan.....	201 days	61,183	5,950	67,132
Nicholson, H., Estevan.....	250 days	7,000	124	7,124
Parkinson, Geo., Estevan.....	12 mos.	4,419		4,419
Salaba, Jas.....		1,947	30	1,977
Shand Coal, Brick and Power Co., Ltd., Shand.....	12 mos.	19,455	2,340	21,795
Siddall, Edwin.....	10 mos.	1,016		1,016
Western Dominion Collieries, Ltd., Taylorton.....	213 days	109,910	5,577	115,487
Hamilton, H. A.....	76 days	1,340		1,340
All other operators (46).....		8,118	6,774	14,892
Total Saskatchewan		354,399	25,770	380,169

¹Includes consumption under boilers, etc., and coal used by workmen.

Annual Production of Coal in Saskatchewan

Calendar Year	Short tons	Value	Average per ton	Calendar Year	Short tons	Value	Average per ton
		\$	\$ cts.			\$	\$ cts.
1887.....	(a) 400	800	2 00	1906.....	108,398	164,146	1 51
1890.....	200	200	1 00	1907.....	151,232	252,487	1 67
1891.....				1908.....	156,556	253,790	1 69
1892.....	5,400	9,325	1 73	1909.....	192,125	296,339	1 54
1893.....	8,325	12,485	1 50	1910.....	181,156	293,023	1 62
1894.....	(b) 15,051	15,153	1 01	1911.....	206,779	347,248	1 68
1895.....	15,769	31,538	2 00	1912.....	225,342	368,135	1 63
1896.....	16,706	25,059	1 50	1913.....	212,897	358,192	1 68
1897.....	25,000	37,500	1 50	1914.....	232,299	374,245	1 61
1898.....	25,000	37,500	1 50	1915.....	240,197	365,246	1 52
1899.....	25,000	37,500	1 50	1916.....	281,300	441,836	1 57
1900.....	40,500	60,750	1 50	1917.....	355,445	662,451	1 86
1901.....	45,000	72,000	1 60	1918.....	346,847	722,148	2 08
1902.....	70,400	112,640	1 52	1919.....	380,169	820,522	2 16
1903.....	116,703	169,618	1 45	1920.....	343,475	819,320	2 39
1904.....	124,885	187,021	1 50				
1905.....	107,596	152,334	1 42	Total.....	4,250,062	7,501,401	

(a) From Turtle Mountain district, Manitoba

(b) Including a small quantity from the Turtle Mountain district, Manitoba

Alberta

Coal production in this province includes a small tonnage of semi-anthracite from the Bankhead mine at Banff, bituminous coals of excellent quality, as well as a considerable tonnage of lignite coal.

In 1920 bituminous coal contributed 49.9 per cent of the total production, lignite, 47.8 per cent, and semi-anthracite, 2.3 per cent.

The total production of coal in Alberta in 1920 was 6,833,500 tons, valued at \$29,849,608, or an average of \$4.37 per ton, as compared with a production of 4,964,535 tons, valued at \$18,294,495, in 1919.

There are many small operators in the province—the number reporting production in 1920 being 250. There were 65 companies reporting a production in excess of 10,000 tons, and the aggregate production by these firms was 96.3 per cent of the total for the province. Seventeen mines reported a production exceeding 100,000 tons each, the largest operators being the West Canadian Collieries, Limited, with 756,640 tons from Bellevue and Greenhill collieries; the Canadian Pacific Railway, with a total of 555,212 tons from Bankhead, Lethbridge, and Taber; the North American Collieries, Limited, with 552,016 tons from Lovettville, Coalhurst, Evansburg, Dodds, and Drumheller; the Brazeau Collieries, Limited, with 411,990 tons from Nordegg; the Hillcrest Collieries, Limited, with 331,857 tons; the McGillivray Creek Coal and Coke Company, Limited, with 330,980 tons; the International Coal and Coke Company, Limited, with 300,852 tons; the Canmore Coal Company, with 275,447 tons; and the Oliphant Munson Collieries, Ltd., with 244,633 tons.

Of the total production 6,313,503 tons were reported as sales, including 6,180,585 tons sold for consumption in Canada, and 132,918 tons sold for export to the United States; 519,997 tons were used by the producers for colliery operations, the manufacture of briquettes, and for workmen.

The falling-off of over 1,000,000 tons in 1919 was ascribed by the Chief Inspector of Mines for the province, in part to the accumulation at the end of 1918 of unusually large stocks in the hands of the trade or consumers. It will be noted also that less coal was shipped to points outside the province during the year 1919 than during the previous year. That portion of central Canada comprising the provinces of Saskatchewan, Manitoba, and Ontario west of the head of the Lakes had been supplied annually with from 2,000,000 to 2,500,000 tons of coal imported from the United States. Restrictions on this supply during 1918 necessitated a larger consumption within the territory of Alberta coal. An effort was made on the part of the Alberta producers to secure and retain an increasing proportion of this market. In view of this it is not surprising that the 1920 production reflected this effort by attaining its maximum record.

The production of anthracite, bituminous, and lignite coal during 1919, and the production of each of the larger collieries during 1920 and 1919 are shown in the following tables:

Production of Coal in Alberta by Districts

In short tons

District	1917	1918	1919	1920
Alberta	108,225	115,405	111,424	115,879
Barren				
Crowsnest	1,488,476	1,595,662	1,755,735	1,769,807
Capetown	196,947	4,161	4,601	25,447
Brazilia	906,823	3,631	201,808	1,071,417
Jasper Park	248,753	2,757	145,953	1,071,875
Yellowhead Pass	159,182	3,361	361,410	2,736,845
Mountain Park	139,164	2,944	112,964	2,262,304
Total Barren	2,199,305	2,967,927	2,336,488	3,410,872
Lignite				
Pineau Creek	1,652	4,399	4,119	6,258
Foothills	614,017	808,231	779,625	831,111
Meadow	946	748	1,199	895
Milk River	8,047	6,378	6,043	6,046
Taber	1,575,773	1,627,589	1,611,165	1,229,000
Bow Island	6,011	6,735	5,931	4,820
Medicine Hat	13,975	17,010	20,195	13,264
Albion	7,076	7,585	7,765	8,984
Albion	1,196	610	1,135	1,742
Hill River	631,767	865,240	792,351	1,178,185
Dundreder	26,733	34,177	34,629	17,204
Big Valley	9,253	11,482	8,978	12,744
Brooks	25,670	29,466	27,960	3,435
Hewitt	16,097	13,435	13,426	14,173
Foothills	15,073	16,862	15,078	13,280
Trochu	22,437	25,786	25,413	6,496
Thorn Hills	4,301	5,452	7,742	7,766
Carbon	9,862	11,426	11,909	11,852
Camrose	36,625	34,579	83,410	69,840
Lakeland	488,806	467,096	495,011	5,550
Cloyne Bar	296,208	286,661	292,007	341,006
Edmonton	121,080	105,621	93,831	66,854
Naselle	18,194	19,289	4,860	13,924
Cardiff	237,861	288,156	173,741	174,044
Wabamun	13,544	18,961	23,987	23,987
Ponoka	81,941	105,749	106,496	110,688
Pawnee River	210	105,749	210	66
Total Lignite	2,428,848	2,829,484	2,546,843	3,266,949
Grand Total	4,626,981	5,972,816	4,964,337	6,677,821

Production of Coal in Alberta, in 1920, by Principal Collieries.

In short tons

Name of Company and Mine Address	Labour		Time in operation	Total sales	Total colliery consumption	Total production	Waste
	Above ground	Below ground					
Alberta Black Coal Co., Ltd., Drumheller	43	129	243 days	122,662	6,220	128,882	
Alberta Coal Mining Co., Ltd., (The), Carleton Place	49	51	202	51,922	3,000	54,922	
Atlas Coal Co., Ltd., Drumheller	45	22	247	60,674	5,289	65,963	
Bonnet Coal Co., Ltd., Carleton Place	11	17	213	31,731	1,708	33,439	
Bellevue Collieries, Ltd., Bellevue	26	11	244	41,642	4,476	46,118	
Bug Valley Coal Co., Ltd., Bug Valley	45	12	250	42,971	600	43,571	
Blackstone Coal, Limited, Blackstone Mine	39	10	291	33,564		33,564	
Blue Diamond Coal Co., Ltd., Brule	113	164	246	118,447	77,973	120,420	
Braz au Collieries, Ltd., Nordegg	178	353	268	104,097	7,895	111,992	
Brookdale Collieries, Ltd., Lovettville	12	18	218	15,613		15,613	
Bush Mine Coal Co., Beverly	18	35	272	68,661	1,330	70,000	
Canada West Coal Co., Ltd., Coalhurst	46	67	8 mos.	66,126	2,132	68,258	
Canadian Diamond Coal Co., Ltd., Fairbairn	5	164	223 days	71,080	16,305	87,385	
Canadian Pacific Railway	11	20	12 mos.	22,400	1,206	23,606	10,190
Carleton Place Mine							
Carleton Place Collieries, Ltd., Carleton Place	160	117	307 days	31,727	123,953	155,680	14,627
Carleton Place Coal Co., Ltd., Carleton Place	200	300	278	52,077	46,421	98,498	2,000
Chimney Collieries, Ltd., Carleton Place	108	213	291	258,226	17,221	275,447	
Chimney Coal Co., Ltd., Commerce	24	32	252	76,683	6,410	83,093	1,146
City of Lethbridge Coal Mine, Lethbridge	56	128	12 mos.	87,835	24,367	112,202	
Clover Bar Coal Mine Co., Ltd., Clover Bar	11	29	273 days	11,324		11,324	
Dawson Coal Co., Ltd., (The), Edmonton	7	16	244	28,444	1,230	29,674	
Donell Coal Co., Ltd., (The), Telford	20	11	211	12,182	2,710	14,892	
Donell Stevens Co., Twin City Mine, Edmonton	27	18	12 mos.	28,488	36	28,524	
Drumheller and Co., (The), Drumheller	22	72	219 days	22,245	5,111	27,356	
Edmonton Collieries, Ltd., Edmonton	10	12	264	31,907	3,169	35,076	
Ellis Coal Co., Ltd., Three Hills	11	20	132	24,304	908	25,212	4,273
Excelsior Collieries, Ltd., Drumheller	8	22	225	11,264	96	11,360	
Excelsior Collieries, Ltd., Lethbridge	9	18	218	20,453	1,891	22,344	1,771
Foothill Collieries, Ltd., Lovettville	21	53	284	14,212	574	14,786	1,934
Fraser-McKay Collieries, Ltd., Clover Bar	20	36	281	38,363	2,064	40,427	
Great West Coal Co., Ltd., (The), Clover Bar	49	20	262	29,663	2,100	31,763	
Hamilton Coal Co., Wayne	16	83	254	91,361	213	91,574	1,119
Hillcrest Collieries, Ltd., Hillcrest	7	13	229	40,200	8,949	49,149	
Humberstone Coal Co., Beverly	102	300	280	13,787	1,822	15,609	2,350
Hy-Grade Coal Co., Drumheller	39	85	245	314,306	997	315,303	1,134
International Coal & Coke Co., Ltd., Coleman	135	20	226	71,093	17,531	88,624	
Jasper Park Collieries, Ltd., Ponchaix	25	42	226	61,980	10,169	72,149	
	397	134	293	279,120	370	282,890	1,912
				100,477	5,306	105,783	

Production of Coal in Alberta, in 1920, by Principal Collieries—Concluded.

Name of Company and Mine Address	Labour		Time in operation	Total sales	Total colliery consumption	Total production	Waste
	Above ground	Below ground					
Jewell Collieries, Ltd., Wayne.....	19	44	221 days	32,018	1,150	33,168	
Lakeside Coals, Ltd., Wabamun.....	14	39	12 mos.	38,372	700	39,072	
Lethbridge Coal Co., Ltd., Lethbridge.....	10	18	211 days	12,063	80	12,149	4,539
Marcus Collieries, Ltd., Clover Bar.....	15	67	258 "	19,069	2,100	21,169	
McGillivray Creek Coal & Coke Co., Ltd., Coleman.....	107	280	298 "	317,114	13,836	330,950	
McPeak, P. J., Edmonton.....	7	33	275 "	22,122	2,804	25,186	
Midland Collieries, Ltd., Midlandvale.....	34	115	279 "	87,928	5,100	93,028	7,500
Mountain Park Coal Co., Ltd., Mountain Park.....	71	181	298 "	162,165	11,648	173,813	
Newcastle Junior Mining Co., Ltd., Drumheller.....	21	61	131 "	58,231	1,350	59,581	
North American Collieries, Ltd.— Pacific Pass, Lovettville (now abandoned)	6	10	122 "	10,698		10,698	
Pembina, Evansburgh.....	42	64	5 mos.	35,083	3,279	40,362	1,620
Monarch, Drumheller.....	64	91	290 days	132,217	8,771	140,988	5,998
Oliphant-Munson Collieries, Ltd., Oliphant Mines.....	54	154	267 "	113,257	7,110	120,367	7,257
Ottewell Coal Co., Ltd., Clover Bar.....	121	272	290 "	229,616	20,653	250,269	16,298
Premier Coal Co., Ltd., Drumheller.....	177		268 "	236,659	5,974	244,633	
Regal Collieries, Ltd., Faber.....	7	13	266 "	12,142		12,142	
Rock Springs Coal and Brick Co., Ltd., Jean.....	12	46	196 "	36,631	1,275	37,906	
Roseale Coal and Clay Products, Ltd., Roseale.....	15	43	110 "	14,631	3,711	18,342	
Rose Deer Coal Mining Co., Ltd., Wayne.....	54	106	234 days	119,998	2,179	122,177	
Saunders-Alberta Collieries, Ltd., Saunders.....	37	120	212 "	86,322	6,475	92,797	8,576
Saunders Creek Collieries, Ltd., Saunders.....	20	27	283 "	13,127	880	14,007	
Sheraton Coal Co., Ltd., Drumheller.....	18	40	247 "	19,575	1,891	21,466	
Spicer Coal Co., Ltd., Dinart.....	20	56	199 "	34,739	3,592	38,331	
Tofield Coal Co., Ltd., Tofield.....	11	24	235 "	27,809	760	28,569	1,063
West Canadian Collieries— Bellevue.....	33		12 mos.	21,552	1,150	22,702	
Greenhill.....	113	278	288 days	354,835	17,883	372,718	
Western Commercial Co., Ltd., Wayne.....	103	223	261 "	375,043	8,879	383,922	
Western Gem Mining Co., Ltd., Drumheller.....	49	129	196 "	71,255	5,666	76,921	5,615
Yellowhead Coal Co., Ltd., Coalspur.....	16	62	273 "	82,290	1,368	83,658	
	42	65	12 mos.	57,113	1,380	58,493	
Total 65.....	3,095	6,153		6,008,714	510,825	6,519,539	104,707
All other operators 185.....	184	622		244,789	9,172	253,961	240
Total, Alberta.....	3,279	6,775		6,313,503	519,997	6,833,500	114,747

* Includes coal used in the manufacture of briquettes, a large portion having been lifted from waste heap.

Production of Coal in Alberta in 1919, by Principal Collieries

In short tons

Name of Company and Mine Address	Time in operation	Total sales	Total colliery consumption	Total production
Alberta Block Coal Co., Ltd., Drumheller	183 days	77,386	4,155	81,541
Alberta Coal Mining Co., Ltd. (The), Cardiff	175 "	54,749	2,927	57,676
Atlas Coal Co., Ltd., Drumheller	180 "	47,198	3,655	50,853
Banner Coal Co., Cardiff	8 mos	40,782	1,430	42,212
Bellevue Collieries, Ltd., Bellevue	126 days	11,857	1,366	13,223
Big Valley Coal Co., Big Valley	311 "	30,661	645	31,306
Blue Diamond Coal Co., Ltd.	164 "	96,081	4,179	100,860
Brazeau Collieries, Ltd., Nordegg	216 "	276,698	5,846	282,544
Brookdale Collieries, Ltd., Lovettville	89 "	12,815	404	13,219
Bush Mine Coal Co., Beverly	223 "	48,441	1,230	49,671
Cadomin Coal Co., Ltd., Coalspur	225 "	157,850	1,165	159,015
Canada West Coal Co., Ltd., Taber	143 "	39,833	12,492	52,325
Canadian Pacific Railway				
Bankhead Mine		19,156	(1) 92,168	111,324
Galt Mines, Lethbridge	196 days	241,154	43,716	285,170
Canmore Coal Co., Ltd., Canmore	210 "	184,728	17,020	201,748
Cardiff Collieries, Ltd., Cardiff	200 "	70,802	5,051	75,853
Chinook Coal Co., Ltd., Commerce	203 "	61,253	16,990	78,243
City of Lethbridge Coal Mine, Lethbridge	272 "	11,844		11,844
Clover Bar Coal Mine, Co., Ltd., Clover Bar	7 mos	14,583	1,984	15,567
Dawson Coal Co., Ltd. (The), Edmonton	177 days	14,883		14,883
Dinant Coal Co., Ltd., Dinant	260 "	22,626	968	23,594
Dobell Coal Co., Ltd. (The), Tofield	313 "	19,657	46	39,693
Drumheller Land Co. (The), Drumheller	178 "	29,587	2,880	32,467
Edmonton Collieries, Ltd., Edmonton	249 "	18,216		18,216
Ellis Coal Co., Ltd., Three Hills	242 "	16,613	2,032	18,645
Federal Coals, Ltd., Lethbridge	270 "	22,511	1,356	23,867
Fraser-McKay Collieries, Ltd., Clover Bar	290 "	21,753	285	22,038
Great West Coal Co., Ltd. (The), Clover Bar	265 "	86,927	6,989	93,916
Great West Coal Co. (Star Mine), Aerial	157 "	39,153	941	34,094
Hamilton Coal Co., Wayne	9 mos	15,309	530	15,839
Hillcrest Collieries, Ltd., Hillcrest	222 days	226,463	12,842	239,305
Humberstone Coal Co., Beverly	194 "	57,201	5,932	63,133
Hy-Grade Coal Co., Drumheller	219 "	39,858	226	40,084
International Coal & Coke Co., Ltd., Coleman	180 "	158,240	15,432	173,672
Jasper Park Collieries, Ltd., Pocahontas	158 "	41,106	3,702	44,808
Jewell Collieries, Ltd., Wayne	134 "	20,256	528	20,784
Lakeside Coals, Ltd., Wabamun	245 "	31,328	1,589	32,917
Marcus Collieries, Ltd., Clover Bar	265 "	21,996	1,684	23,680
McGillivray Creek Coal & Coke Co., Ltd., Coleman	212 "	202,521	8,357	210,878
McPeak, P. J., Edmonton	222 "	17,539	1,688	19,227
Midland Collieries, Ltd., Midlandvale	163 "	58,800	4,625	63,425
Mountain Park Coal Co., Ltd., Mountain Park	219 "	103,848	9,116	112,964
Newcastle Coal Co., Ltd., Drumheller	126 "	47,805	1,245	49,050
North American Collieries, Ltd.,				
Pacific Pass, Lovettville	217 "	72,008	8,130	80,138
Pembina, Evansburg	250 "	98,275	7,921	106,196
Regal, Dodds	9 mos	13,413		13,416
Monarch, Drumheller	119 days	32,953	3,154	36,107
Lethbridge, Coalhurst (Kipp)	187 "	150,849	14,926	165,775
Oliphant-Murson Collieries, Ltd., Oliphant M.		88,703	985	89,688
Ottewell Coal Co., Ltd., Clover Bar	280 days	11,000	200	11,200
Premier Coal Co., Ltd., Drumheller	5 mos	24,119	738	24,857
Redcliff Brick and Coal Co., Redcliff	180 days	15,674		15,674
Regal Collieries, Ltd., Taber	171 "	22,992	3,536	26,528
Rock Springs Coal and Brick Co., Ltd., Elean	174 "	13,283	1,943	15,226
Rosedale Coal and Clay Products Co., Ltd., Rosedale	166 "	75,947	1,946	77,893
Rose Deer Coal Mining Co., Ltd., Wayne	151 "	75,200	4,624	79,824
Round Hill Collieries, Ltd., Roundhill	243 "	20,350	175	20,525
Saunders Creek Collieries, Ltd., Saunders	264 "	20,330	1,004	21,334
Scranton Coal Co., Drumheller	165 "	44,074	2,467	46,541
Spicer Coal Co., Ltd., Dinant	171 "	16,950	446	17,396
Tofield Coal Co., Ltd., Tofield	249 "	52,763	800	53,563
Twin City Coal Co., Ltd., Edmonton South	174 "	36,819	3,572	39,891

(a) Includes coal used in the manufacture of briquettes, a large portion having been lifted from waste heap.

Production of Coal in Alberta in 1919, by Principal Collieries *Continued*

Name of Colliery and Mine or Area	Production in tons	Total colliery production in tons
Alberta Colliery Co. (L. & S.)	399,645	200,094
Alberta Colliery Co. (L. & S.)	701	228,815
Alberta Colliery Co. (L. & S.)	134	57,402
Alberta Colliery Co. (L. & S.)	181	47,421
Alberta Colliery Co. (L. & S.)		1,284
Total	1,301,719	382,676
Alberta Colliery Co. (L. & S.)	212,547	4,624
Total	4,557,266	387,299

Annual Production of Coal in Alberta

Calendar Year	Short tons	Value	Average per ton	Calendar Year	Short tons	Value	Average per ton
1886	1,220	\$1,112	1.88	1904	661,732	\$1,404,524	2.12
1887	71,152	157,577	2.13	1905	951,917	1,993,915	2.14
1888	115,174	183,354	1.59	1906	1,246,360	2,614,762	2.10
1889	97,364	179,640	1.85	1907	1,591,579	3,856,286	2.41
1890	28,753	198,298	1.54	1908	1,685,661	4,127,311	2.45
1891	71,131	437,243	2.51	1909	1,994,741	4,838,109	2.43
1892	178,970	460,605	2.57	1910	2,894,469	7,065,736	2.44
1893	20,070	586,260	2.55	1911	1,511,046	3,959,264	2.63
1894	484,940	473,827	2.56	1912	3,240,577	8,114,525	2.50
1895	499,885	382,526	2.25	1913	4,914,755	10,418,941	2.59
1896	399,163	581,832	2.78	1914	3,683,015	9,350,392	2.54
1897	52,163	610,408	2.60	1915	3,460,848	8,283,979	2.46
1898	115,088	287,720	2.50	1916	4,559,954	11,386,577	2.50
1899	399,600	774,000	2.50	1917	4,736,368	14,153,685	2.99
1900	31,450	778,625	2.50	1918	5,972,846	20,537,287	3.44
1901	40,275	850,687	2.50	1919	4,964,535	18,294,495	3.68
1902	492,819	960,601	2.38	1920	6,833,500	29,849,608	4.37
1903	495,893	1,117,541	2.25	Total	57,905,992	169,869,352	

Disposition of the Total Output of Coal and Briquettes of Alberta Calendar Year 1920

From Annual Report 1920, Mines Branch of the Government of Alberta

Sales for Consumption in:

	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	Quebec	United States	Refinery	Foreign	Export	Stock	Unsold	Waste	Loss
Domestic	1 370 265	54 116	1 134 286	136 400	1 251	0	17 133	2 000 000	0	0	0	0	0	0
Bituminous	69 225	12 200	11 200	11 200	0	0	11 115	2 000 000	0	0	0	0	0	0
Anthracite	10 382	3 050	4 651	1 500	0	0	0	0	0	0	0	0	0	0
Total	1 647 209	128 850	1 310 136	608 862	1 251	0	17 133	2 000 000	0	0	0	0	0	0
Briquettes	81 808	2 708	10 807	6 184	0	0	0	0	0	0	0	0	0	0

Disposition of the Total Output of Coal, Briquettes and Coke of Alberta Calendar Year 1919

From Annual Report of the Mines Branch of the Government of Alberta

Sales for Consumption in:

	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States	Refinery	Foreign	Export	Stock	Unsold	Waste	Loss
Domestic	1 219 070	33 111	805 008	270 147	218	6 006	2 000 000	0	0	0	0	0	0
Bituminous	1 701 178	57 267	235 714	17 717	0	114 009	2 221 153	0	0	0	0	0	0
Anthracite	8 892	5 883	1 917	1 276	0	1071	19 245	0	0	0	0	0	0
Total	2 991 110	95 461	1 115 429	314 290	218	121 218	4 617 710	0	0	0	0	0	0
Briquettes	47 826	4 122	12 287	5 621	0	0	0	0	0	0	0	0	0
Coke	129	11	6	263	0	0	0	0	0	0	0	0	0

The bituminous coal shown in these tables is being sold for consumption in Alberta; includes coal sold to railway companies for their engines and for other uses in the province.

British Columbia

The production of coal in British Columbia in 1920 was 2,858,877 tons, as compared with 2,435,933 tons in 1919, an increase of 422,944 tons, or 17.4 per cent.

Of the total production in 1920, 2,441,024 tons were reported as sales, including 1,555,510 tons sold for consumption in Canada, 876,949 tons sold for export to the United States, and 8,565 tons to other countries. There were 117,853 tons used by the producers, including 116,124 tons for making coke and 301,729 tons for the operation of collieries and by workmen.

The production and distribution of the collieries on Vancouver island, of the Crowsnest district, and of the interior at Nicola and Princeton, are shown separately in the following tables.

The three largest operators in the province were: the Crowsnest Pass Coal Company, with a total production of 779,915 tons; the Canadian Western Fuel Company, with 740,363 tons; and the Canadian Collieries (Dunsmuir) Limited, with 674,618 tons. These three companies contributed 76.8 per cent of the province's production.

Coal production in British Columbia reached a maximum in 1910, with a total of 3,330,745 tons. In the following year the production fell to 2,542,532 tons and the average production during the past nine years has been slightly less—2,532,000 tons. Previous to 1895 practically 80 per cent of the coal production was sold for export. The development of metallurgical and industrial activity, however, during the following fifteen years, greatly increased the home consumption, while the actual tonnage sold for export has not shown any marked change during thirty years.

Coal Production by Districts in British Columbia, 1920

(In short tons)

Coal	Vancouver Island	Nicola and Princeton	Crowsnest and East Kootenay	Total
Sold for consumption in Canada.....	1,173,050	154,207	228,253	1,555,510
Sold for export to United States.....	339,703	1,639	535,807	876,949
Sold for export to other countries.....	8,565			8,565
Total sales.....	1,521,318	155,846	763,860	2,441,024
Used by operator for making coke, etc.....		2,277	113,847	116,124
Used for colliery consumption, etc.....	225,993	9,535	66,201	301,729
Production.....	1,747,311	167,658	943,908	2,858,877
Per cent.....	61.1	5.9	33.0	100.0
Output.....	1,993,370	170,131	946,716	3,110,217

Coal Production by Districts in British Columbia, 1919

(In short tons)

Coal	Vancouver Island	Nicola and Princeton	Crowsnest and East Kootenay	Total
Sold for consumption in Canada.....	949,234	145,583	73,305	1,168,122
Sold for export to United States.....	427,103	7,068	418,533	852,704
Sold for export to other countries.....	nil		nil	
Total sales.....	1,376,337	152,651	491,838	2,020,826
Used by operator for making coke, etc.....	62,353		100,763	163,116
Used for colliery consumption, etc.....	186,083	13,421	52,487	251,991
Production.....	1,624,773	166,072	645,088	2,435,933
Per cent.....	66.7	6.8	26.5	100.0
Output.....	1,915,129	168,993	323,836	2,707,958

Coal Production by Collieries in British Columbia, 1920

In short tons

Colliery	Sold					Used		Production	Per cent against 1919	1919	
	In Canada	To United States	To other coun- tries	Total	Making cokes, tons	Under colliery boilers, thousands of lbs.				Per cent year	Per cent year
1. Hatwood No. 1 Mine Reserve and Wakesiah	104,953	116	2,073	144,142		47,304	190,227	96.74	2,903	8.97	27.87
2. East Wellington No. 1 (Jungle Port) - Colmon	188,217	9,940	3,306	262,064		63,497	123,461	21,240	2,988	9.416	27.87
3. Wellington No. 5	190,871	284	2,385	179,742		43,527	22,209	9,798	48		27.87
4. No. 5 South Wellington	10,124	12,323		156,047		17,424	17,171	1,358	2.71	1.00	27.87
5. Granby	311,908	104,470		416,378		12,709	12,087	88,688	12,750	909	27.87
6. Langzville Grand	67,747	16,891		67,747		4,311	72,060	29,086			27.87
7. Michel	98,455	9,099		84,440		17,841	102,288	14,076	12,777	1,201	27.87
8. Corbin	162,867	4,483		171,963		12,891	184,869	68,100	12,483	649	27.87
9. Middlesboro	29,282	78,549		33,765		5,024	29,774	12,706			27.87
10. Inland Coal Hill	83,276	379,082		161,822	113,847	20,774	488,147		109	1.4	27.87
11. Princeton	65,571	77,970		444,635		38,919	16,003		1,074	1,074	27.87
12. Coalmont and Ashman collieries	79,406	1,619		157,385		6,498	98,045	2,380	100	100	27.87
	92,278			33,278		1,831	2,003	76	40	40	27.87
	17,140			18,779	2,277	1,977	11,537				27.87
	11,537			11,537							27.87
	1,555,510	876,949	8,565	2,441,024	116,124	301,729	2,858,877	512,670	117,949	44,045	27.87

1. Canadian Western Fuel Company

2. Vancouver-Nanaimo Coal Co., Ltd.

3. Canadian Collieries (Dunsmuir), Ltd.

4. Pacific Coast Coal Mines, Ltd.

5. Granby Consolidated Mfg., S. & Power Co., Ltd.
6. Newcastle-Wellington Collieries, Ltd.

7. Cowi's New Colliery, Ltd.

8. Central Coal and Coke Co., Ltd.

9. Mid-Pacific Collieries, Ltd.
10. Langzville and Ashman Coal Co., Ltd.

11. Langzville and Ashman Coal Co., Ltd.

12. Langzville and Ashman Coal Co., Ltd.

Not Audited April, 1920

1000
900
800
700
600
500
400
300
200
100
0

Company	Capital Paid	Capital Unpaid	Total Capital	Assets	Liabilities	Net Assets	Surplus	Total Assets
Harwood	115,941	96,900	212,841	212,841	11,829	200,012	100,987	300,999
North Mines	175,926	102,000	277,926	277,926	110,284	167,642	266,862	444,788
Rocky Mountain	16,005	15,747	31,752	31,752	18,965	12,787	18,965	30,952
East Wellington	11,829	258	12,087	12,087	6,587	5,500	6,587	12,174
West Wellington	186,268	71,121	257,389	257,389	11,888	245,501	133,613	379,114
Wellington Extension Mines, Lady Smith	313,354	124,538	437,892	437,892	21,327	416,565	200,278	616,843
Conon Mines, Cumberland	40,610	23,930	64,540	64,540	18,753	45,787	37,034	82,821
South Wellington Mines	24,421	3,010	27,431	27,431	10,022	17,409	17,409	27,431
Granby	10,975	11,750	22,725	22,725	35,418	10,022	10,022	22,725
Granby	15,610	85,875	101,485	101,485	1,325	100,160	100,160	101,485
Midvale	28,960	262,972	291,932	291,932	16,045	275,887	275,887	291,932
Coal Creek	28,739	60,688	89,427	89,427	1,095	88,332	88,332	89,427
Carbon	31,420	31,420	62,840	62,840	5,349	57,491	57,491	62,840
Middleboro	13,625	5,033	18,658	18,658	5,753	12,905	12,905	18,658
Inland (Coal Hill)	41,470	17,660	59,130	59,130	1,679	57,451	57,451	59,130
Princeton	4,403	4,403	8,806	8,806	5,940	2,866	2,866	8,806
Coolmont	2,200	650	2,850	2,850	48	2,802	2,802	2,850
Ashman	168,992	852,704	1,021,696	1,021,696	2,435,933	2,025,763	2,025,763	4,047,459
Merritt	168,992	852,704	1,021,696	1,021,696	2,435,933	2,025,763	2,025,763	4,047,459

- 1 Canadian Western Fuel Company.
- 2 Fish Columbia Coal Mining Co.
- 3 Canadian Collieries (Dunsmuir), Ltd.
- 4 Pacific Coast Coal Mines, Ltd.
- 5 Granby Consolidated Mfg., S., & Power Co., Ltd.
- 6 Nanaimo Collieries, Ltd.
- 7 Crow's Nest Coal Co., Ltd.
- 8 Colkan Coal and Coke Co., Ltd.
- 9 Middlesboro Collieries, Ltd.
- 10 Fleming Coal Co., Ltd.
- 11 Princeton Coal and Land Co., Ltd.
- 12 Calumet Collieries, Ltd.
- 13 Tollymo Collieries Co.
- 14 Merritt Collieries, Ltd.

Annual Production of Coal in British Columbia

Calendar Year	Output	Home Consumption		Production ¹		Price per Long Ton	Value
		Long tons	Short tons	Long tons	Short tons		
						\$ cts	\$
1876 to 1877	480,785				538,480	1.00	1,923,140
1874	81,547	25,023	56,038	81,061	90,788	1.00	243,183
1875	110,145	31,252	66,392	97,644	109,361	1.00	292,932
1876	139,192	17,856	1122,329	140,185	157,007	1.00	429,555
1877	154,632	24,311	115,381	139,692	156,455	1.00	419,376
1878	179,846	26,166	164,682	190,848	213,750	1.00	572,544
1879	241,301	40,294	192,006	232,390	260,277	1.00	697,170
1880	267,595	46,513	225,849	272,362	305,045	1.00	817,086
1881	228,357	10,191	189,323	229,514	257,056	1.00	688,542
1882	282,139	56,161	232,411	288,572	326,201	1.00	865,716
1883	213,299	64,786	149,567	214,353	240,075	1.00	643,659
1884	394,070	87,388	306,478	393,866	441,159	1.00	1,181,598
1885	665,796	95,227	237,797	333,024	372,987	1.00	999,072
1886	626,636	85,987	249,205	335,192	375,415	1.00	1,065,576
1887	445,000	99,216	334,839	434,055	486,142	1.00	1,32,165
1888	489,301	115,953	365,714	481,667	539,467	1.00	1,445,001
1889	579,800	121,574	448,675	568,249	636,439	1.00	1,791,747
1890	678,140	177,075	508,270	685,315	767,586	1.00	2,056,035
1891	1,029,097	302,697	806,479	1,009,476	1,140,277	1.00	3,177,528
1892	826,735	306,224	640,579	806,802	967,218	1.00	2,110,406
1893	978,294	207,851	768,917	976,768	1,093,980	1.00	2,960,304
1894	1,012,957	265,776	827,642	963,468	1,112,628	1.00	2,980,254
1895	969,654	188,349	756,344	944,388	1,058,045	1.00	2,831,049
1896	894,882	261,984	634,238	896,222	1,003,769	1.00	2,688,666
1897	802,296	290,410	619,830	910,170	1,019,390	1.00	2,730,510
1898	1,146,485	375,423	752,866	1,128,286	1,261,680	1.00	3,381,858
1899	1,306,124	26,058	751,741	1,277,769	1,431,101	1.00	3,833,307
1900	1,590,178	685,667	911,184	1,509,851	1,791,833	1.00	4,799,533
1901	1,691,557	799,666	914,163	1,743,829	1,919,488	1.00	5,141,487
1902	1,641,626	837,871	776,809	1,614,680	1,808,441	1.00	4,844,040
1903	1,450,663	947,499	549,449	1,496,948	1,676,581	1.00	4,490,844
1904	1,685,698	1,129,465	533,593	1,663,058	1,862,625	1.00	4,989,174
1905	1,736,696	1,089,667	647,343	1,737,010	1,945,457	1.00	5,211,030
1906	1,899,076	1,236,476	679,829	1,916,305	2,146,262	1.00	5,748,915
1907	2,219,602	1,438,402	673,114	2,111,546	2,364,898	1.50	7,390,306
1908	2,111,931	1,486,511	597,157	2,083,668	2,333,708	1.50	7,292,838
1909	2,388,196	1,585,232	711,667	2,326,899	2,606,127	1.50	8,144,147
1910	3,152,207	1,798,873	1,175,007	2,973,880	3,330,745	1.50	10,408,580
1911	2,304,794	1,657,422	612,696	2,270,118	2,542,532	1.50	7,945,413
1912	2,857,345	1,808,213	966,963	2,865,176	3,208,997	1.50	10,028,116
1913	2,587,357	1,799,644	623,946	2,423,589	2,714,420	1.50	8,482,562
1914	2,182,164	1,497,036	602,785	1,999,821	2,239,799	1.50	6,999,374
1915	1,962,817	1,191,219	653,078	1,844,297	2,065,613	1.50	6,455,041
1916	2,487,012	1,463,152	844,045	2,307,197	2,584,061	1.50	8,075,190
1917	2,375,745	1,489,325	792,789	2,173,114	2,443,888	1.70	8,235,716
1918	2,570,624	1,482,300	811,083	2,293,383	2,508,589	1.61	11,494,681
1919	2,417,820	1,413,597	761,943	2,174,940	2,465,963	1.57	12,420,445
1920	2,776,979	1,761,934	790,638	2,552,569	2,858,877	1.55	16,726,950
Total				58,715,944	65,759,618		209,521,481

¹ This production is obtained by adding "Home Consumption" and "Sold for Export".
² 7.965 per cent of this amount were re-entered as sales without the division into "Home Consumption" and "Sold for Export".

Yukon

Coal production in the Yukon district in 1920 was reported as 763 tons, all the product of the Tantalus mine of the Five Fingers Coal Company, near Whitehorse.

Annual Production of Coal in Yukon Territory

Calendar Year	Short tons	Value	Average per ton	Calendar Year	Short tons	Value	Average per ton
		\$	\$ cts			\$	\$ cts
1901.....	5,864	86,230	14 70	1911.....	2,840	12,780	4 50
1902.....	4,910	37,280	7 59	1912.....	9,245	44,958	4 86
1903.....	1,849	29,584	16 00	1913.....	19,722	95,945	4 86
1904.....				1914.....	13,443	53,760	4 00
1905.....	7,000	21,000	3 00	1915.....	9,724	38,896	4 00
1906.....	7,000	28,000	4 00	1916.....	3,300	13,200	4 00
1907.....	15,000	60,000	4 00	1917.....	4,872	29,232	16 00
1908.....	3,847	21,158	5 50	1918.....	2,900	11,600	4 00
1909.....	7,364	49,502	6 72	1919.....	1,100	4,400	4 00
1910.....	16,185	110,925	6 85	1920.....	763	4,430	6 00
				Total.....	136,928	752,880	

* Part of this production was mined in 1900.

† Value not reported, but estimated.

COKE

The accompanying statistics cover only the production of coke in by-product and beehive coke oven plants and do not include retort coke recovered by gas companies.

Both domestic and imported coal are used in the manufacture of coke in Canadian coke oven plants.

In 1920, 957,945 tons of domestic and 1,089,024 tons of imported coal were charged to coke ovens, from which was obtained an output of 1,306,644 tons of coke, thus averaging 63.8 tons of coke per ton of coal charged. Coke from by-product ovens comprised 87.3 per cent of the total.

In 1919, 854,835 tons of domestic, and 1,025,706 tons of imported coal were charged to coke ovens, from which was obtained an output of 1,160,470 tons of coke, thus averaging 60.617 tons of coke per ton of coal charged. Coke from by-product ovens comprised 89 per cent of the total.

The amount of coke sold or used by the producers in 1920 was 1,327,180 tons, as compared with 1,133,680 tons in 1919, an increase of 193,500 tons.

In addition to the tonnage sold or used, there were imported during 1920, 586,406 tons of coke, while the exports totalled 39,536 tons. The Canadian consumption in 1920 was, therefore, 1,874,050 tons, an increase of 371,705 tons. The consumption of oven coke during recent years has been as follows: 2,178,318 tons in 1916, 2,192,373 tons in 1917, 2,386,722 tons in 1918, and 1,502,345 tons in 1919.

Coke Production, 1920

(In short tons)

Province	Coal charged to ovens	Coke output	Stock on hand		Coke sold or used	Per cent of total production	Value of coke sold or used
			Jan. 1	Dec. 31			
							\$
Nova Scotia	721,372	428,298	13,552	12,232	429,618	12.37	4,349,986
Ontario	*1,089,024	726,728	25,852	6,334	746,246	56.23	8,163,613
British Columbia	236,571	151,618	349	651	151,316	11.40	2,002,075
Total	2,046,969	1,306,644	39,753	19,217	1,327,180	100.00	14,515,674

*As reported on.

Coke Production, 1919

(In short tons)

Province	Coal charged to ovens	Coke output	Stock on hand		Coke sold or used	Per cent of total production	Value of coke sold or used
			Jan. 1	Dec. 31			
							\$
Nova Scotia	689,696	394,744	3,034	13,552	383,253	31.82	3,939,900
Ontario	1,025,706	667,081	9,281	26,856	649,506	57.29	4,886,662
Alberta			565		565	0.04	1,602
British Columbia	155,139	98,645	2,164	453	100,356	8.85	890,217
Total	1,870,541	1,160,470	15,044	40,861	1,133,680	100.00	9,720,387

All imported coal.

Distribution of Coke Production, 1920

(In short tons)

	Nova Scotia	Ontario	British Columbia	Total
Sold to exporters	4,406	55,727	40,161	100,294
Sold to exporters			35,524	35,524
Total sold	4,406	55,727	75,685	135,818
Used by maker in blast furnace or otherwise	425,212	690,519	75,631	1,191,362
Total sold or used	429,618	746,246	151,316	1,327,180
Number of ovens in operation Dec. 31	120	240	300	660

Coke Production

(In short tons)

Year	Coal charged to ovens	Coke output	C _c Recovery per charge	Stock on hand		Coke sold or used	Value of coke sold or used	Average price
				Jan. 1	Dec. 31			
1910	1,373,793	901,269	65.6	19,216	17,770	902,715	\$3,462,872	83.84
1911	1,409,844	954,388	67.7	17,829	26,560	935,651	3,630,410	3.88
1912	2,053,807	1,406,028	68.5	39,073	33,872	1,411,229	5,164,331	3.66
1913	2,247,913	1,517,133	67.5	33,926	20,560	1,530,499	5,919,596	3.87
1914	1,541,547	1,015,253	65.9	20,634	12,027	1,023,860	3,658,514	3.55
1915	1,856,393	1,200,766	64.7	8,671	38,964	1,170,473	4,258,580	3.64
1916	2,134,911	1,448,782	67.9	38,934	17,973	1,469,741	6,049,412	4.12
1917	1,928,923	1,231,865	63.9	22,653	7,827	1,245,862	6,662,581	5.35
1918	1,983,242	1,258,284	63.4	7,826	15,366	1,250,744	11,035,195	8.82
1919	1,880,541	1,160,470	61.7	15,044	40,861	1,133,680	9,720,387	8.57
1920	2,046,969	1,306,644	63.8	39,753	19,217	1,327,180	14,515,674	10.94

Annual Production of Coke

Calendar Year	Short Tons	Value	Average per Ton	Calendar Year	Short Tons	Value	Average per Ton
1886	35,396	\$ 101,940	82.88	1903	561,318	81,734,404	83.09
1887	40,428	135,951	3.36	1904	554,083	2,632,048	3.66
1888	45,373	134,181	2.96	1905	700,488	2,436,211	3.48
1889	54,539	155,043	2.84	1906	782,055	2,863,563	3.66
1890	56,450	166,298	2.95	1907	842,003	3,583,468	4.26
1891	57,084	175,592	3.08	1908	858,257	3,449,361	4.02
1892	56,135	160,249	2.85	1909	862,011	3,484,393	4.04
1893	61,078	161,790	2.65	1910	902,715	3,462,872	3.84
1894	58,044	148,551	2.56	1911	935,651	3,630,410	3.88
1895	53,356	143,047	2.68	1912	1,411,229	5,164,331	3.66
1896	49,619	110,257	2.22	1913	1,530,499	5,919,596	3.87
1897	60,686	176,157	2.91	1914	1,023,860	3,658,514	3.55
1898	87,600	286,000	3.26	1915	1,170,473	4,258,580	3.64
1899	100,820	350,022	3.47	1916	1,469,741	6,049,412	4.12
1900	157,134	649,440	4.13	1917	1,245,862	6,662,581	5.35
1901	365,531	1,228,225	3.36	1918	1,250,744	11,035,195	8.82
1902	502,043	1,519,185	3.03	1919	1,133,680	9,720,387	8.57
				1920	1,327,180	14,515,674	10.94

Annual Production of Coke by Provinces

Calendar Year	Nova Scotia		Ontario		Alberta		British Columbia	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
		\$		\$		\$		\$
1897	41,532	90,950					19,154	85,507
1898	48,400	111,000					39,200	175,000
1899	62,459	178,767					38,361	171,255
1900	61,767	223,395					95,367	425,745
1901	222,694	590,560					142,837	637,665
1902	363,330	899,930					138,713	619,255
1903	371,745	888,094					189,753	846,310
1904	275,927	808,022			20,984	78,936	257,172	1,148,090
1905	386,366	1,054,712			44,866	179,464	269,256	1,202,035
1906	476,364	1,540,976			69,486	268,042	236,205	1,054,485
1907	524,110	1,688,070			76,321	297,595	241,572	1,049,432
1908	505,929	1,658,151			75,645	309,019	276,683	1,482,191
1909	492,992	1,608,092			87,233	366,734	281,786	1,509,567
1910	508,058	1,655,775	24,685	148,110	121,578	486,312	248,394	1,172,675
1911	557,554	1,814,977	259,554	1,318,303	36,216	146,251	82,327	350,879
1912	625,918	1,840,129	379,854	1,709,343	105,684	424,027	299,773	1,190,832
1913	722,038	2,352,153	419,287	1,991,613	67,403	269,612	321,771	1,306,218
1914	343,289	1,118,614	386,314	1,352,099	29,059	116,236	265,198	1,071,565
1915	585,873	1,905,766	285,251	1,141,004	23,826	95,304	275,523	1,116,506
1916	654,433	2,617,732	472,507	2,008,155	41,950	167,800	300,851	1,255,725
1917	643,757	3,218,785	389,048	2,155,326	31,649	181,982	181,408	1,106,488
1918	580,433	3,966,609	425,087	3,300,127	32,654	213,884	212,570	1,554,575
1919	383,253	3,939,906	649,506	4,886,062	565	3,602	100,356	890,217
1920	429,618	4,349,986	746,246	8,163,613			151,316	2,002,075

Output of Coke Showing Beehive and By-Product Coke Separately

(In short tons)

Calendar Year	Beehive	%	By-product	%	Total
1909	471,045	54.0	400,682	46.00	871,727
1910	491,378	54.5	409,891	45.5	901,269
1911	242,311	25.4	712,077	74.6	954,388
1912	402,054	28.6	1,003,974	71.4	1,406,028
1913	498,501	32.9	1,018,632	67.1	1,517,133
1914	322,701	31.8	682,552	68.2	1,015,253
1915	391,380	32.6	809,386	67.4	1,200,766
1916	443,460	30.6	1,005,322	69.4	1,448,782
1917	317,399	25.8	914,466	74.2	1,231,865
1918	379,218	30.1	879,066	69.9	1,258,284
1919	124,241	10.7	1,036,229	89.3	1,160,470
1920	166,368	12.7	1,140,276	87.3	1,306,644

Annual Exports of Coke

Calendar Year	Short tons	Value	Calendar Year	Short tons	Value
		\$			\$
1897	2,987	6,078	1909	74,067	329,051
1898	3,774	8,394	1910	57,971	250,715
1899	5,557	18,726	1911	9,852	39,823
1900	41,529	131,278	1912	57,744	252,763
1901	57,505	176,990	1913	68,235	308,410
1902	62,568	180,920	1914	67,838	306,117
1903	32,608	135,957	1915	35,869	160,053
1904	102,463	345,031	1916	48,539	221,334
1905	116,071	509,908	1917	23,595	137,318
1906	37,003	168,571	1918	29,612	223,629
1907	70,617	320,357	1919	14,709	129,703
1908	58,708	248,759	1920	39,536	390,161

Annual Imports of Oven Coke

Calendar Year	Short tons	Value	Calendar Year	Short tons	Value
		\$			\$
1907.....	624,649	2,206,084	1914.....	553,046	1,585,259
1908.....	426,971	1,135,125	1915.....	637,857	1,608,464
1909.....	661,425	1,508,627	1916.....	757,116	2,229,078
1910.....	737,088	1,908,725	1917.....	970,106	6,517,260
1911.....	751,389	1,843,248	1918.....	1,165,599	8,975,445
1912.....	628,174	1,702,856	1919.....	383,374	2,405,740
1913.....	723,906	2,180,830	1920.....	586,406	6,458,596

The Nova Scotia coke was made at Sydney and Sydney Mines.

In Ontario the production came from the Algoma Steel Corporation plant at Sault Ste. Marie, and from the new ovens operated by the Steel Company of Canada, at Hamilton, Ont.

In Alberta the coke oven plants at Lille, Passburg and Coleman were idle all year.

In British Columbia coke was made by the Crow's Nest Pass Coal Company at Michel, and by the Granby Consolidated Mining and Smelting Company at Anyox. The ovens at Fernie and Union Bay were not operated.

The coke production of the eastern provinces is used almost entirely in the iron and steel industry, while that of the western provinces is used chiefly by the copper and lead smelters, finding a market in the United States as well as in Canada.

Coke Oven By-Products

The coke-oven plants at Sydney, N.S., Sault Ste. Marie, and Hamilton, Ont., and Anyox, B.C., are by-product plants, and the recoveries of coke oven by-products in 1920 included 14,026,172 gallons of tar; 19,934 tons of sulphate of ammonia, together with important quantities of benzol, toluol, and solvent naphtha and naphthalene.

Annual Production of Coke Oven By-Products

Year	Tar	Sulphate of ammonia	Year	Tar	Sulphate of ammonia
	Gallons	Short tons		Gallons	Short tons
1901.....	2,662,612	1,614	1911.....	6,464,155	7,124
1902.....	4,094,135	2,393	1912.....	8,428,896	11,289
1903.....	3,281,249	3,207	1913.....	8,371,600	10,608
1904.....	1,649,197	1,773	1914.....	5,714,172	8,572
1905.....	3,407,784	2,500	1915.....	7,365,931	10,448
1906.....	3,725,723	2,364	1916.....	9,012,202	11,040
1907.....	4,424,615	1,738	1917.....	8,277,078	9,941
1908.....	4,450,166	3,342	1918.....	8,009,327	10,825
1909.....	4,016,824	3,416	1919.....	12,394,249	11,765
1910.....	3,963,591	3,491	1920.....	14,026,172	19,934

The imports of sulphate of ammonia in 1920 were reported as 312.3 tons, valued at \$31,531, as against imports in 1919 of 101.7 tons, valued at \$12,129.

Exports of sulphate of ammonia during the twelve months ending December 31, 1920, were 18,329 tons, valued at \$1,896,660, as compared with exports in 1919 of 18,488 tons, valued at \$1,821,880.

